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The Annual Index also carries the abstract number in place of a page number reference. This year's Index drops the year (volume) reference to make room for the issue and abstract number. The year (volume) appears in the heading on each page of the Index.

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through August 1, 1986.

KEYWORD INDEX

Index entries in this section are selected to indicate important ideas and concepts presented in a report. When using the keyword index, be sure to look under terms narrower, broader, or related to a particular topic. Although some of the keywords are not selected from a controlled vocabulary of terms, most of them have been selected from the DoD, DoE, NASA, or NTIS controlled vocabularies. The entries are arranged by keyword and then by the NTIS order number.

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DE85001890 **08**-*518,229* PC **A02**/MF **A01**

Aliphatic Components of Coal. Final Report, September 1, 1978-August 31, 1980.
DE85002197 **21**-*549,191* PC **A04**/MF **A01**

Microchemistry of Illinois Coals - Impact for Sulfur Removal. Final Report, 1 July 1983-30 June 1984.
DE85002890 **08**-*518,241* PC **A02**/MF **A01**

Reactions Governing Coal Solubilization. Fifth Quarterly Report, July 15-October 15, 1984.
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Petrographic Characterization of Kentucky Coals. Quarterly Progress Report, March-May 1983.
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Petrographic and Chemical Studies of the Hanna IV Burn, Hanna UCG Site, Wyoming.
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DE85010822 **20**-*547,059* PC **A02**/MF **A01**

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DE85012242 **23**-*554,380* PC **A05**/MF **A01**

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ED-246 909 **06**-*512,962* Not available NTIS

Archival Preservation of Machine-Readable Records: The Final Report of the Wisconsin Survey of Machine-Readable Public Records,
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Study on Machine Tools with Adhesive Bonded Structures.
PB85-230498 **23**-*553,570* PC **E05**/MF **E01**

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Photoionization of Alkali and Alkaline Earth Atoms: Na and Mg.
DE85011812 **20**-*545,035* PC **A02**/MF **A01**

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DE85004639 **10**-*523,155* PC **A11**/MF **A01**

MAGNESIUM CHLORIDE

Use of ATP-MgC12 in the Treatment of Injury and Shock.
AD-A151 839/8 **13**-*528,706* PC **A02**/MF **A01**

MAGNESIUM CHLORIDES

Use of ATP-MgCl2 in the Treatment of Injury and Shock.
AD-A149 031/7 **07**-*514,641* PC **A02**/MF **A01**

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DE85004164 **09**-*520,736* PC **A02**/MF **A01**

Modification of Thermal Sensitivity of Chinese Hamster Cells by Exposure to Solutions of Monovalent and Divalent Cationic Salts.
DE85701959 **26**-*560,414* PC **A02**/MF **A01**

Vapour Pressure of Americium(III) Chloride.
DE85780895 **20**-*545,967* PC **A07**/MF **A01**

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Fracture Toughness of MgCr sub 2 O sub 4 -ZrO sub 2 Composites.
DE85007945 **15**-*534,003* PC **A02**/MF **A01**

MAGNESIUM COMPOUNDS

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PB85-206787
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(Order as PB85-206324, PC **A13**/MF **A01**)

MAGNESIUM FLUORIDES

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AD-A153 186/2 **15**-*534,792* Not available NTIS

Effects of Undercoats and Overcoats on Damage Thresholds of 248 nm Coatings.
DE82010060 **24**-*556,673* PC **A02**/MF **A01**

Nuclear Radiation Induced Absorption in Optical Materials.
DE85007128 **12**-*527,954* PC **A03**/MF **A01**

Nuclear-Radiation-Induced Absorption in Optical Materials.
DE85007226 **12**-*527,955* PC **A02**/MF **A01**

Growth of Purified Calcium Fluoride and Magnesium Fluoride and Degradation of Optical Properties by Defects.
DE85011263 **19**-*544,290* PC **A08**/MF **A01**

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DE85014100 **24**-*556,674* PC **A02**/MF **A01**

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PB85-144467 **06**-*514,100* Not available NTIS

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Impact of Maximum TF Magnetic Field on Performance and Cost of an Advanced Physics Tokamak.
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DE85781575 **25**-*559,073* PC **A09**/MF **A01**

Remarks by Charlotte E. Baldwin, Secretary, Kentucky Cabinet for Natural Resources and Environmental Protection.
DE85900025 **09**-*520,900* PC **A02**/MF **A01**

Workshop on Solar Simulators: Proceedings.
DE85900057 **14**-*531,763* PC **A10**/MF **A01**

Workshop on Solar Assisted Heat Pumps with Ground Coupled Storage: Proceedings.
DE85900104 **21**-*548,282* PC **A24**/MF **A01**

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DE85900466 **25**-*557,873* PC **A02**/MF **A01**

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DE85900589 **15**-*534,693* PC **A13**/MF **A01**

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DE85900698 **14**-*532,814* PC **A04**/MF **A01**

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DE85901178 **19**-*542,344* PC **A22**/MF **A01**

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EUR-9066 **25**-*559,300* PC **E14**/MF **E14**

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HRP-0906019/5 **03**-*505,689* PC **A04**/MF **A01**

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HRP-0906110/2 **10**-*521,512* PC **A03**/MF **A01**

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HRP-0906243/1 **10**-*521,513* PC **A09**/MF **A01**

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HRP-0906304/1 **13**-*528,725* PC **E04**/MF **A01**

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Juel-Conf-28 **01**-*501,749* PC **A21**/MF **A01**

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N84-33668/4 **01**-*501,491* PC **A23**/MF **A01**

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N85-11177/1 **04**-*509,424* PC **A06**/MF **A01**

Proceedings on US-Japan Workshop on Tokamak Diagnostics by X-Ray, Vuv and Optical Radiations.
N85-18719/3 **12**-*528,053* PC **A07**/MF **A01**

LANDSAT-4 Science Characterization Early Results. Volume 3, Part 2. Thematic Mapper (TM).
N85-21724/8 **14**-*531,541* PC **A25**/MF **A01**

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N85-23112/4 **15**-*532,988* PC **A04**/MF **A01**

Proceedings of the Cold Electronics Workshop.
N85-24220/4 **17**-*537,896* PC **A06**/MF **A01**

Mini-Seminar on Non-Destructive Testing.
N85-24308/7 **17**-*538,718* PC **A07**/MF **A01**

Theory and Applications of State Estimation. NRIMS Summer Seminar Series.
N85-26244/2 **18**-*540,918* PC **A09**/MF **A01**

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N85-26548/6 **18**-*539,752* PC **A05**/MF **A01**

VLSI Workshop and Project: February - November 1982.
N85-28223/4 **20**-*545,237* PC **A06**/MF **A01**

Proceedings of the Project Integration Meeting (24th).
N85-32394/7 **24**-*555,633* PC **A99**/MF **A01**

Proceedings of the State Workshop on Shallow Land Burial and Alternative Disposal Concepts Held at Bethesda, Maryland on May 2-3, 1984.
NUREG/CP-0055 **03**-*506,658* PC **A17**/MF **A01**

Proceedings of the Workshop on Containment Integrity (2nd) Held at Crystal City, Virginia on June 13-15, 1984,
NUREG/CP-0056 **03**-*507,043* PC **A99**/MF **A01**

Transactions of the Water Reactor Safety Research Information Meeting (12th) to Be Held at National Bureau of Standards, Gaithersburg, Maryland on October 22-26, 1984,
NUREG/CP-0057 **01**-*502,266* PC **A15**/MF **A01**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 1,
NUREG/CP-0058-V1 **08**-*517,642* PC **A19**/MF **A01**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 2,
NUREG/CP-0058-V2 **08**-*517,643* PC **A20**/MF **A01**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 3,
NUREG/CP-0058-V3 **08**-*517,644* PC **A99**/MF **E04**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 4,
NUREG/CP-0058-V4 **08**-*517,645* PC **A17**/MF **A01**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 5,
NUREG/CP-0058-V5 **08**-*517,646* PC **A20**/MF **A01**

Proceedings of the U.S. Nuclear Regulatory Commission Water Reactor Safety Research Information Meeting (12th) Held at Gaithersburg, Maryland on October 22-26, 1984. Volume 6,
NUREG/CP-0058-V6 **08**-*517,647* PC **A22**/MF **A01**

First International Workshop on Fundamental Aspects of Post-Dryout Heat Transfer, Proceeding Held at Salt Lake City, Utah on April 2-4, 1984,
NUREG/CP-0060 **05**-*512,332* PC **A99**/MF **E04**

Proceedings of the Conference on the Application of Geochemical Models to High-Level Nuclear Waste Repository Assessment Held at Oak Ridge, Tennessee on October 2-5, 1984,
NUREG/CP-0062 **17**-*539,038* PC **A06**/MF **A01**

Proceedings of the 1984 Statistical Symposium on National Energy Issues, Held at Seattle, Washington, October 16-18, 1984,
NUREG/CP-0063 **20**-*545,365* PC **A11**/MF **A01**

Transactions of the International Conference on Structure Mechanics in Reactor Technology (8th). Panel Session J-K: Status of Research in Structural and Mechanical Engineering for Nuclear Power Plants, Held at Brussels, Belgium, August 19-23, 1985.
NUREG/CP-0065 **19**-*543,845* PC **A12**/MF **A01**

Report on Proceedings - Aviation Accident Investigation Symposium, April 26-28, 1983, Springfield, Virginia.
PB84-917004 **01**-*500,025* PC **A10**/MF **A01**

Proceedings of the Conference on Energy Contingency Planning in Urban Areas Held at Houston, Texas on April 6-9, 1983,
PB85-101269 **01**-*501,769* PC **A06**/MF **A01**

Proceedings of the 1983 Southern Forest Biomass Workshop, June 15-17, 1983,
PB85-101376 **01**-*500,105* PC **A06**/MF **A01**

Proceedings of the Kentucky Coal Refuse Disposal and Utilization Seminar (4th) Held at Pine Mountain State Park, Pinneville, Kentucky on June 6-7, 1978,
PB85-102648 **01**-*501,212* PC **A05**/MF **A01**

Workshop Proceedings: Approaches for Improving the Assessment of Human Genetic Risk--Human Biomonitoring,
PB85-103018 **01**-*500,679* PC **A04**/MF **A01**

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PB85-104180 **01**-*500,687* PC **E11**/MF **E01**

Indoor Air. Volume 2. Radon, Passive Smoking, Particulates and Housing Epidemiology. Proceedings of the International Conference (3rd) on Indoor Air Quality and Climate Held in Stockholm on August 20-24, 1984.
PB85-104198 **01**-*500,688* PC **E13**/MF **E01**

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PB85-104206 **01**-*500,689* PC **E15**/MF **E01**

Indoor Air. Volume 4. Chemical Characterization and Personal Exposure. Proceedings of the International Conference (3rd) on Indoor Air Quality and Climate Held in Stockholm on August 20-24, 1984.
PB85-104214 **01**-*500,777* PC **E15**/MF **E01**

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PB85-104222 **01**-*501,710* PC **E17**/MF **E01**

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PB85-104339 **01**-*502,324* PC **E04**/MF **E01**

Actes de la Deuxieme Conference sur les Bases Scientifiques de la Reglementation sur l'Environnement 'Sante - Environment' qui a eu Lieu a Evry, France, 14-16 Decembre 1981 (Proceedings of the Conference on the Scientific Bases for Environmental Regulatory Actions 'Health - Environment', (2nd) Held at Evry, France on December 14-16, 1981,
PB85-104347 **01**-*500,778* PC **E13**/MF **E13**

Reports of the Scientific Committee on Cosmetology (Second series).
PB85-104354 **01**-*501,561* PC **E03**/MF **E03**

Annual Meeting Report, Voluntary Service National Advisory Committee Held at Baltimore, Maryland on October 21-23, 1983.
PB85-104420 **01**-*500,690* PC **A03**/MF **A01**

Energy: Challenges and Opportunities for the Middle Atlantic United States. Volume 1. Summaries and Discussions.
PB85-105252 **02**-*505,207* PC **A09**/MF **A01**

Energy: Challenges and Opportunities for the Middle Atlantic United States. Volume 2. Background Articles.
PB85-105260 **02**-*505,208* PC **A13**/MF **A01**

Report of the UNIDO OAU-STRC (United Nations Industrial Development Organization Organisation of African Unity-Science and Technological Research Commission) Consultative Meeting on the Industrial Utilization of Medicinal and Aromatic Plants in the African Region Held at Vienna, Austria on May 24-27, 1983.
PB85-105542 **01**-*500,606* PC **E03**/MF **E01**

New Climate for Joint Research: Conference Proceedings.
PB85-105591 **01**-*500,522* PC **A05**/MF **A01**

Proceedings of Kentucky Coal Refuse Disposal and Utilization Seminar (5th) and Stability Analysis of Refuse Dams Workshops Held at Pine Mountain State Park, Pineville, Kentucky on June 5-6, 1979,
PB85-106045 **01**-*502,731* PC **A05**/MF **A01**

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PB85-106193 **02**-*504,451* PC **A12**/MF **A01**

Urban Effects on Water Quality and Quantity: Proceedings of Conference Held at Urbana, Illinois on October 20 and 21, 1983,
PB85-107035 **02**-*503,694* PC **A16**/MF **A01**

Evolving Technologies for Project Management Improvement: Proceedings of a Workship Held at Westpark Hotel, Rosslyn, Virginia on January 15-16, 1981,
PB85-107647 **03**-*505,444* PC **A09**/MF **A01**

Opportunities and Challenges in Research with Transplutonium Elements: Report of a Workshop.
PB85-108835 **02**-*503,605* PC **A17**/MF **A01**

Proceedings of the International Symposium on Neutron Capture Therapy (1st) Held at Cambridge, Massachusetts on October 12-14, 1983,
PB85-109726 **01**-*501,133* PC **A18**/MF **A01**

Future of Lightwave Technology: Proceedings of a National Science Foundation Workshop Concerning Quantum Electronics Held at Los Angeles, California on January 31-February 2, 1984,
PB85-109759 **02**-*504,906* PC **A04**/MF **A01**

Environment of West Antarctica: Potential CO2-Induced Changes: Report of a Workshop Held in Madison, Wisconsin 5-7 July 1983.
PB85-110757 **02**-*503,757* PC **A12**/MF **A01**

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PB85-110765 **02**-*503,023* PC **A99**/MF **E04**

Review of the Great Lakes Water Quality Agreement: Working Papers and Discussion.
PB85-110807 **02**-*503,695* PC **A09**/MF **A01**

International Conference on the Durability of Building Materials and Components (3rd) Held at Espoo, Finland on August 12-15, 1984. Volume 1 (Troisieme Colloque International sur la Durabilite des Materiaux et des Elements de Construction. Volume 1),
PB85-111276 **02**-*504,368* PC **E17**/MF **E01**

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PB85-111284 **02**-*504,369* PC **E17**/MF **E01**

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PB85-111292 **02**-*504,370* PC **E20**/MF **E01**

Inverted View of Software Development Tools.
PB85-111763 **02**-*503,838* Not available NTIS

Editors' Preface of 'Crystal Growth 1980' Proceedings of the International Conference on Crystal Growth (6th), Held at Moscow, USSR on September 10-16, 1980.
PB85-111797 **02**-*504,866* Not available NTIS

Proceedings of Workshop on Energy, Forestry, and Environment. Volume 1. Workshop,
PB85-113181 **03**-*505,366* PC **A06**/MF **A01**

Annals of the Inter-American Savings and Loan Conference (19th) Held at Cartagena, Colombia on May 4-7, 1981.
PB85-113199 **04**-*508,164* PC **A04**/MF **A01**

Irrigated Soybean Production in Arid and Semi-Arid Regions. Proceedings of a Conference Held in Cairo, Egypt.
PB85-113223 **02**-*502,839* PC **A06**/MF **A01**

Health Survey Research Methods: Proceedings of the Conference on Health Survey Research Methods (4th) Held at Washington, DC. on May 2-5, 1982.
PB85-114015 **02**-*503,370* PC **A17**/MF **A01**

Proceedings of the Rural Clean Water Program C,M and E Workshop Held at Raleigh, North Carolina, on April 2-5, 1984.
PB85-114239 **02**-*502,833* PC **A12**/MF **A01**

Proceedings of the Annual Pedestrian Conference (4th) Held at Boulder, Colorado on September 20-23, 1983.
PB85-114262 **02**-*504,440* PC **A16**/MF **A01**

Proceedings of Kentucky Coal By-Products Seminar (7th), Held at Lexington, Kentucky on June 12, 1981,
PB85-114494 **03**-*506,672* PC **A03**/MF **A01**

Mini-Seminar on Industrial Training Held at Pretoria, South Africa, May 1983.
PB85-114510 **04**-*508,364* PC **E05**/MF **E01**

National Conference on Rural Public Transportation (6th) Held at Gorham, Maine on August 14-18, 1983.
PB85-114668 **02**-*504,360* PC **A13**/MF **A01**

Technical Digest - Symposium on Optical Fiber Measurements, 1984.
PB85-114700 **05**-*512,440* PC **A07**/MF **A01**

Proceedings: United States/Japan Conference on Sewage Treatment Technology (8th) Held at Cincinnati, Ohio on October 12-13, 1981 and Washington, DC. on October 19-20, 1981.
PB85-115194 **03**-*506,677* PC **A99**/MF **E03**

Biology and Management of Bald Eagles and Ospreys,
PB85-115848 **03**-*505,639* PC **E13**/MF **E01**

Proceedings of the Glacier Bay Science Symposium (1st) Held at Glacier Bay National Park and Preserve, Gustavus, Alaska on September 23-26, 1983,
PB85-115913 **03**-*505,965* PC **A06**/MF **A01**

Incineration and Treatment of Hazardous Waste: Proceedings of the Annual Research Symposium (10th) Held at Ft. Mitchell, Kentucky on April 3-5, 1984.
PB85-116291 **03**-*506,686* PC **A09**/MF **A01**

Proceedings - Symposium on the Biology of 'Atriplex' and Related Chenopods Held at Provo, Utah on May 2-6, 1983.
PB85-116358 **03**-*505,642* PC **A14**/MF **A01**

International Adhesion Conference Held at University of Nottingham on September 12-14, 1984.
PB85-116721 **03**-*506,366* PC **E11**/MF **E11**

Eddy Current Seminar, 2-4 April 1984,
PB85-116836 **03**-*507,282* PC **E08**/MF **E08**

POLYCON '83 - Reactive Processsing Opportunities and Constraints, Papers and Proceedings, Held at Leeuwenhorst Congres Center, Noordwijkerhout, Netherlands on 18-20 May 1983.
PB85-117695 **03**-*506,470* PC **E07**/MF **E07**

Proceedings of the U.S.-Japan Meeting on Aquaculture, Marine Finfish Culture (7th) Held at Tokyo, Japan on October 3-4, 1978.
PB85-119048 **04**-*508,448* PC **A03**/MF **A01**

Proceedings of the International Workshop on Age Determination of Oceanic Pelagic Fishes: Tunas, Billfishes, and Sharks Held at Miami, Florida on February 15-18, 1982.
PB85-119311 **04**-*508,886* PC **A10**/MF **A01**

Heating Systems in Practice. Proceedings of the W17 Symposium Held at Stockholm, Sweden September 7-9, 1983.
PB85-119717 **03**-*506,623* PC **E14**/MF **E01**

Indoor Air Quality and Energy Conservation. Proceedings of the W67 Workshop Held at Helsinki on 15 June 1983,
PB85-119782 **03**-*506,624* PC **E07**/MF **E01**

Framework for Assessing the Impacts of Acidic Deposition on Forest and Aquatic Resources: Results of a Workshop for the National Acid Precipitation Assessment Program Held at Leetown, West Virginia on April 25-29, 1983,
PB85-119899 **04**-*509,651* PC **A05**/MF **A01**

Overview of Major Wetland Functions and Values,
PB85-119907 **04**-*508,946* PC **A05**/MF **A01**

Chronobiology and the Digestive System: Proceedings of a Meeting Held at the University of Minnesota in September 1981.
PB85-121218 **04**-*508,555* PC **A06**/MF **A01**

Proceedings of the National Bridge Conference Held at Gateway Center Hilton, Pittsburgh, Pennsylvania on June 1-3, 1983.
PB85-121341 **04**-*509,826* PC **A12**/MF **A01**

Aeronautics Technology Possibilities for 2000: Report of a Workshop.
PB85-121531 **04**-*507,888* PC **A11**/MF **A01**

Adsorption Techniques in Drinking Water Treatment. Papers and Discussion from the NATO/CCMS (North Atlantic Treaty Organization Committee on the Challenges of Modern Society) Symposium Held at Reston, Virginia, USA on April 30 through May 2, 1979,
PB85-123230 **04**-*509,695* PC **A99**/MF **E04**

Traditional Food Fermentation as Industrial Resources in ASCA (Association for Science Cooperation in Asia) Countries. Proceedings of a Technical Seminar Held at Medan, Indonesia on February 9-11, 1981,
PB85-123691 **04**-*508,595* PC **A12**/MF **A01**

Import Restrictions to Aid the U.S. Automotive Industry.
PB85-125243 **04**-*509,758* PC **A07**/MF **A01**

Toward the Prevention of Alcohol Problems: Government, Business, and Community Action.
PB85-125532 **05**-*510,846* PC **A09**/MF **A01**

Transportation for the Elderly and Handicapped: Programs and Problems.
PB85-125797 **05**-*511,844* PC **A08**/MF **A01**

Proceedings of 'The Symposium on Urban Public Transit and Minorities: Challenge of the 80's' Held at Baltimore, Maryland on September 14-16, 1983.
PB85-125805 **05**-*511,845* PC **A05**/MF **A01**

Resa i USA 19 Augusti - 9 September 1983 foer Laegesupploeljning inom Omradena Signalbehandling och Spaning (Journey in the USA 19 August - 9 September 1983 Concerning Modern Signal Processing and Reconnaissance),
PB85-127967 **05**-*511,507* PC **E06**/MF **E01**

Research Natural Areas: Baseline Monitoring and Management. Proceedings of a Symposium in Missoula, Montana on March 21, 1984.
PB85-128486 **05**-*510,677* PC **A05**/MF **A01**

Workshop on Development and African Pastoral Livestock Production Held at Marriottsville, Maryland, November 1981,
PB85-129724 **05**-*510,667* PC **A04**/MF **A01**

Proceedings: Eastern Oil Shale Symposium (1981) Held at Lexington, Kentucky on November 15-17, 1981.
PB85-129971 **05**-*511,427* PC **A17**/MF **A01**

Precision Measurement and Fundamental Constants II,
PB85-130078 **09**-*519,827* PC **A99**/MF **A01**

Proceedings of the Seminar on Short-Term and Area-Wide Evaluation of Safety Measures Held at Amsterdam, The Netherlands on April 19-21, 1982,
PB85-131456 **05**-*511,872* PC **E04**/MF **E01**

Integrated Control in Citrus Orchards: Sampling Methodology and Threshold for Intervention against the Principal Phytophagous Pests (Lutte Integree en Agrumiculture: Methodologie d'Echantillonnage et Seuils d'Intervention pour les Principaux Phytophages) (Lotta Integrata in Agrumicoltura: Metodologia di Campionamento e Soglie di Intervento per i Principali Fitofagi),
PB85-133148 **05**-*511,081* PC **E04**/MF **E04**

Biomechanics of Impacts in Road Accidents. Proceedings of the Seminar Held in Brussels on March 21-23, 1983,
PB85-133205 **05**-*512,021* PC **E18**/MF **E18**

Workshop on Energy and Agriculture in Developing Countries Held at Airlie, Virginia on June 29-July 1, 1981.
PB85-133213 **05**-*510,641* PC **A06**/MF **A01**

Symposium on Biomass Substitutes for Liquid Fuels Held at Campinas, Brazil on February 9-12, 1982.
PB85-133270 **05**-*512,624* PC **A03**/MF **A01**

Women in Natural Resources: An International Perspective - Proceedings of a Conference for Men and Women Held at the University of Idaho, Moscow, Idaho on March 8-9, 1982,
PB85-133601 **05**-*510,910* PC **A11**/MF **A01**

Prescriptive Analysis in Planning,
PB85-134120 **05**-*510,753* PC **E03**/MF **E01**

Amazonia: Agriculture and Land Use Research,
PB85-135325 **06**-*512,679* PC **A18**/MF **A01**

Chinese Cabbage: Proceedings of the First International Symposium,
PB85-135374 **06**-*512,707* PC **A21**/MF **A01**

Federally-Supported Human Nutrition Research Units: Selected Papers from the Annual Conference (1st), December 16-17, 1982. An Information Exchange Activity of the Joint Subcommitt on Human Nutrition Research.
PB85-135390 **17**-*537,493* PC **A10**/MF **A01**

International Symposium on Tropical Tomato (1st) Held at Shanhua, Taiwan, Republic of China on 23-27 October 1978,
PB85-136364 **06**-*512,708* PC **A13**/MF **A01**

Proceedings of Kentucky Coal By-Products Symposium (8th) Held at Lexington, Kentucky on September 12-14, 1982. Enhanced Energy and Coal Recovery from Preparation Facilities and Disposal Sites,
PB85-137065 **06**-*513,742* PC **A06**/MF **A01**

Proceedings of the Workshop on Walleye Pollock and Its Ecosystem in the Eastern Bering Sea Held at Seattle, Washington on 2-4 May 1983,
PB85-138055 **06**-*513,038* PC **A13**/MF **A01**

Proceedings: Eastern Oil Shale Symposium Held at Lexington, Kentucky on October 11-13, 1982,
PB85-138063 **06**-*514,273* PC **A17**/MF **A01**

Rutherford Appleton Laboratory Workshop on Astronomy and Astrophysics: Gas in the Interstellar Medium,
PB85-138931 **06**-*512,748* PC **E09**/MF **E09**

Proceedings of the Symposium on High Temperature Materials for Coal Conversion and Utilization,
PB85-139301 **08**-*518,279* PC **E10**/MF **E10**

Water Quality Modelling, Forecasting and Control,
PB85-139434 **07**-*515,095* PC **E09**/MF **E09**

Mini-Seminar on Value Engineering, South Africa, June 1983.
PB85-139624 **07**-*514,434* PC **E05**/MF **E01**

International Technical Conference on Experimental Safety Vehicles (6th) Held at Washington, DC on October 12-15, 1976.
PB85-140010 **06**-*513,846* PC **A99**/MF **E03**

International Technical Conference on Experimental Safety Vehicles (8th) Held at Wolfsburg, West Germany on October 21-24, 1980.
PB85-140044 **06**-*513,847* PC **A99**/MF **E04**

International Technical Conference on Experimental Safety Vehicles (7th) Held at Paris, France on June 5-8, 1979.
PB85-140085 **06**-*513,848* PC **A99**/MF **A01**

Report of an Exploratory Workshop on the Role of Anthropologists and other Social Scientists in Interdisciplinary Teams Developing Improved Food Production Technology.
PB85-142651 **07**-*514,352* PC **A06**/MF **A01**

Drought Resistance in Crops with Emphasis on Rice.
PB85-143055 **07**-*514,373* PC **A18**/MF **A01**

Proceedings: National Symposium on Recent Advances in Pollutant Monitoring of Ambient Air and Stationary Sources, Held at Radison Plaza Raleigh Hotel, on May 8-10, 1984.
PB85-144053 **07**-*515,240* PC **A10**/MF **A01**

Radiation Processing for Plastics and Rubber 2. International Conference Held at University of Kent at Canterbury on 28-30 March 1984.
PB85-144194 **07**-*515,014* PC **E11**/MF **E11**

Automate or Liquidate Conference Held at the Metropole Hotel, Brighton on May 16-18, 1984.
PB85-144202 **07**-*515,157* PC **E07**/MF **E07**

New Markets Through Improved Performance, Reinforced Thermoset Injection International Conference Held at the Library Theatre, Solihull on October 9-10, 1984.
PB85-144210 **07**-*515,158* PC **E06**/MF **E06**

Nordisk Militaerpsykologisk Konferens, 1984 (Nordic Military Psychology Conference, 1984),
PB85-145886 **09**-*518,584* PC **E03**/MF **E01**

Annual Conference Report on Cotton-Insect Research and Control (37th), Atlanta, Georgia, January 9-10, 1984.
PB85-146090 **08**-*515,795* PC **A05**/MF **A01**

Journees sur les Varietes Riemanniennes (Symposium on Riemannian Manifolds).
PB85-147064 **09**-*519,486* PC **E04**/MF **E04**

Strategies for Organization for Small-Farm Agriculture in Jamaica,
PB85-147866 **08**-*515,772* PC **A10**/MF **A01**

Symposium on Industrial Basic Technology for Next Generations (2nd). Papers Presented at the Session on High Performance Polymeric Materials Held at Tokyo Chamber of Commerce on October 8-9, 1984.
PB85-148245 **08**-*516,360* PC **E08**/MF **E01**

Symposium on Computers in Civil Engineering 1983, Pietermaritzburg, South Africa, 30 August 1983 - Papers (Simposium oor Rekenaars in die Siviele Ingenieurswese 1983, Pietermaritzburg, 30 Augustus 1983 - Referate).
PB85-150936 **09**-*519,652* PC **E09**/MF **E01**

First Symposium on Atomic Layer Epitaxy Held at Espoo, Finland, December 13-14, 1984,
PB85-151090 **08**-*517,743* PC **E04**/MF **E01**

Problems of Drug Dependence, 1983. Proceedings of the Annual Scientific Meeting (45th) of the Committee on Problems of Drug Dependence, Inc. Held at Lexington, Kentucky on June 12-15, 1983.
PB85-151553 **09**-*518,764* PC **A20**/MF **A01**

Symposium on Atmospheric Sciences in South Africa, Pretoria, 18-20 October 1983 (Simposium oor Atmosferiese Wetenskappe in Suid-Afrika, Pretoria, 18-20 Oktober 1983).
PB85-152213 **10**-*521,029* PC **E04**/MF **E01**

Integrated Computer Aided Design. Proceedings of the W78 Colloquium Held at Garston, Watford, England on June 5-7, 1984,
PB85-152585 **10**-*521,975* PC **E04**/MF **E01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section A.
PB85-153187 **10**-*521,113* PC **E05**/MF **E05**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section C.
PB85-153195 **09**-*518,478* PC **E06**/MF **E06**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section L.
PB85-153203 **10**-*521,139* PC **E06**/MF **E06**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section I.
PB85-153211 **09**-*518,479* PC **E06**/MF **E06**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section H.
PB85-153229 **09**-*518,480* PC **E05**/MF **E05**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section X.
PB85-153237 **10**-*521,114* PC **E12**/MF **E12**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section J.
PB85-153963 **09**-*518,481* PC **E12**/MF **E12**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section N.
PB85-153971 **10**-*521,117* PC **E08**/MF **E08**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Introduction and Miscellaneous Papers.
PB85-153989 **09**-*518,482* PC **E11**/MF **E11**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section D.
PB85-153997 **09**-*518,483* PC **E09**/MF **E09**

Mini-Seminar on CAD/CAM (Computer Aided Design/Computer Aided Manufacturing), Pretoria, August 1983.
PB85-154037 **10**-*522,390* PC **E04**/MF **E01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section Q.
PB85-154169 **09**-*518,484* PC **E06**/MF **E06**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section K.
PB85-154185 **09**-*518,485* PC **E04**/MF **E04**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section B.
PB85-154193 **09**-*518,486* PC **E05**/MF **E05**

Annual Transportation Convention, 1983 (Jaarlikse Vervoerwesekonvensie, 1983). Volume 1.
PB85-154227 **09**-*519,686* PC **E16**/MF **E01**

Annual Transportation Convention, 1983 (Jaarlikse Vervoerwesekonvensie, 1983). Volume 2.
PB85-154235 **09**-*519,687* PC **E14**/MF **E01**

Annual Transportation Convention, 1983 (Jaarlikse Vervoerwesekonvensie, 1983). Volume 3.
PB85-154243 **09**-*519,688* PC **E16**/MF **E01**

Annual Transportation Convention, 1983 (Jaarlikse Vervoerwesekonvensie, 1983). Volume 4.
PB85-154250 **09**-*519,689* PC **E16**/MF **E01**

Symposium on Desalination: New Developments and Industrial Applications Held at Pretoria, South Africa on October 27, 1983.
PB85-154334 **09**-*518,816* PC **E08**/MF **E01**

Research on Crop-Animal Systems,
PB85-154383 **10**-*520,996* PC **A05**/MF **A01**

Papers Presented at the Symposium on Biotechnology, November 27-28, 1984.
PB85-154441 **10**-*521,401* PC **E14**/MF **E01**

Microbial and Enzymatic Synthesis of Useful Compounds.
PB85-154458
10-*521,395*
(Order as PB85-154441, PC **E14**/MF **E01**)

International Conference on Operations Research in Resources and Requirements in Southern Africa, 1984 (Internasionale Konferensie oor Operasionele Navorsing na Hulpbronne en Behoeftes in Suider-Afrika, 1984).
PB85-154524 **11**-*523,611* PC **E17**/MF **E01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section G.
PB85-154599 **09**-*518,487* PC **E09**/MF **E09**

Proceedings of the Northstar Workshop on Noncorrosive Winter Maintenance (Technical Presentations) Held at Bloomington, Minnesota on October 26-27, 1983,
PB85-154664 **09**-*519,690* PC **A07**/MF **A01**

Mini-Seminar on Non-Destructive Testing, October 1983.
PB85-154870 **10**-*522,391* PC **E08**/MF **E01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section V.
PB85-155091 **09**-*518,817* PC **E08**/MF **E08**

Proceedings of the Small Ruminant Collaborative Research Support Program (SR-CRSP) Workshop, Kenya, March 15, 1982.
PB85-155125 **10**-*520,998* PC **A08**/MF **A01**

Making Economic Information More Useful for Salmon and Steelhead Production Decisions.
PB85-155463 **10**-*521,428* PC **A14**/MF A01

Siting Puzzle: Piecing Together Economic Development and Environmental Quality,
PB85-155802 **10**-*522,302* PC **A07**/MF **A01**

International Conference on the Durability of Building Materials and Components (3rd) Held at Espoo, Finland on August 12-15, 1984. Volume 4 (Troisieme Colloque International sur la Durabilite des Materiaux et des Elements de Construction. Volume 4),
PB85-156024 **10**-*522,347* PC **E13**/MF **E01**

Family Planning Program Effectiveness: Report of a Workshop.
PB85-156230 **10**-*521,328* PC **A12**/MF **A01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section F,
PB85-156511 **09**-*518,488* PC **E10**/MF **E10**

Importance of Disease Problems of Marine Fish Farming.
PB85-156545 **10**-*521,430* PC **E07**/MF **E07**

Papers Presented at the Workshop on Composite Materials. Symposium on Fundamental Industrial Technologies for the Next Generations (2nd), November 13-14, 1984.
PB85-156628 **10**-*522,104* PC **E12**/MF **E01**

Water Chlorination: Crossroad of Uncertainties and Decisions,
PB85-156818 **10**-*522,312* PC **A02**/MF **A01**

European Seminar on the Risks from Tritium Exposure,
PB85-157493 **10**-*522,739* PC **E13**/MF **E13**

Canada-United States Bilateral Program on Housing and Urban Affairs: Seminar on Issues in Residential Energy Conservation.
PB85-158426 **10**-*522,039* Pc A05/MF **A01**

Papers Presented at the Workshop on High Performance Ceramics, Symposium on Fundamental Industrial Technologies for the Next Generation (2nd).
PB85-159101 **10**-*522,086* PC **E08**/MF **E01**

Domba dan Kambing di Indonesia (Sheep and Goats in Indonesia).
PB85-159416 **11**-*523,291* PC **A15**/MF **A01**

Acid Rain in Kentucky: Workshop on Acid Deposition. Proceedings Held at Lexington, Kentucky on May 2-3, 1983.
PB85-159432 **10**-*522,328* PC **A10**/MF **A01**

Plastics on the Road '84: International Conference Held at London, England on 5-6 December 1984.
PB85-160059 **10**-*522,170* PC **E06**/MF **E06**

Ceramics for Components of Machinery. Paper Presented at the Workshop of National Research Institute for Mechanical Engineering (11th), on June 6, 1984.
PB85-160554 **10**-*522,087* PC **E05**/MF **E01**

Biology of Dwarf Mistletoes: Proceedings of the Symposium.
PB85-161198 **11**-*523,308* PC **A07**/MF **A01**

Symposium on the Transfer and Utilization of Particulate Control Technology (4th). Volume 1. Fabric Filtration.
PB85-161891 **11**-*524,657* PC **A24**/MF **A01**

Symposium on the Transfer and Utilization of Particulate Control Technology (4th). Volume 2. Electrostatic Precipitation.
PB85-161909 **11**-*524,658* PC **A24**/MF **A01**

Symposium on the Transfer and Utilization of Particulate Control Technology (4th). Volume 3. Economics, Mechanical Collectors, Coal Characteristics, Inhalable Particulates, Advanced Energy and Novel Devices.
PB85-161917 **11**-*524,659* PC **A19**/MF **A01**

Prediction of Pesticide Behavior in the Environment: Proceedings of the U.S.A.-U.S.S.R. Symposium, October 1981, Yerevan, U.S.S.R.
PB85-162485 **11**-*523,799* PC **A16**/MF **A01**

Southern Appalachian Spruce-Fir Ecosystem: Its Biology and Threats.
PB85-163616 **11**-*523,309* PC **A13**/MF **A01**

UMTA (Urban Mass Transportation Administration) Small Transit Vehicle Procurement Workshop Proceedings, Indianapolis, Indiana, November 15-16, 1983,
PB85-164259 **11**-*524,668* PC **A09**/MF **A01**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section M.
PB85-164382 **11**-*523,474* PC **E08**/MF **E08**

Selected Papers from the Annual Meeting of the British Association for the Advancement of Science Held at Norwich, England on September 10-14, 1984. Section E.
PB85-164390 **11**-*523,475* PC **E12**/MF **E12**

Mini-Seminar on Value Management, March 1984.
PB85-164424 **11**-*523,429* PC **E05**/MF **E01**

Interregional Seminar on Energy Saving in the Cement Industry Held at Nancy and Paris, France on 13 June to 1 July 1983,
PB85-164655 **11**-*524,393* PC **E04**/MF **E01**

Proceedings: Eastern Oil Shale Symposium (1983) Held at Hyatt Regency, Lexington, Kentucky on November 13-16, 1983,
PB85-166023 **11**-*525,796* PC **A18**/MF **A01**

Interpreting and Valueing Transport's Role in Social Well-Being. An International Conference Held at Noordwijk, the Netherlands on 12-15 April 1983.
PB85-166106 **12**-*526,274* PC **E04**/MF **E01**

International Round Table (6th) on Nucleosides, Nucleotides and Their Biological Applications (Table Ronde Internationale (6th) sur les Nucleosides, Nucleotides et Leurs Applications Biologiques).
PB85-166965 **12**-*526,364* PC **E08**/MF **E08**

Filamentous and Zoogleal Bulking in Activated Sludge Systems: International Workshop.
PB85-167088 **12**-*527,291* PC **A04**/MF **A01**

Stress, Reactivity, and Cardiovascular Disease: Proceedings of the Working Conference.
PB85-167153 **08**-*516,310* PC **A12**/MF **A01**

Proceedings of Stormwater and Water Quality Model Users Group Meeting, April 12-13, 1984.
PB85-168003 **11**-*524,132* PC **A14**/MF **A01**

Forest Regeneration at High Latitudes: Experience from Northern Sweden.
PB85-168151 **12**-*525,968* PC **A03**/MF **A01**

Accident and Safety Research on Road Traffic, Vol. 39, 1982 (Unfall- und Sicherheitsforschung Strassenverkehr, Heft 39, 1982).
PB85-168946 **12**-*527,452* PC **E05**/MF **E01**

Bulletin of the Geological Survey of Japan, Vol. 35, No. 8, August 1984.
PB85-169076 **12**-*526,768* PC **E04**/MF **E01**

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Technology Transfer Symposium, Charleston, West Virginia, June 23, 1983.
PB85-169720 **11**-*524,163* PC **A05**/MF **A01**

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PB85-169753 **11**-*524,164* PC **A05**/MF **A01**

'Giardia' Methods Workshop,
PB85-170173 **12**-*526,389* PC **A02**/MF **A01**

Advisory Committee on Health-Related Effects of Herbicides: Transcript of Proceedings, Twenty-First Meeting, September 12, 1984.
PB85-171809 **13**-*528,889* PC **A07**/MF **A01**

Problem Orientation and Allocation Strategies for Prehistoric Cultural Resources on the New Mexico National Forests.
PB85-171973 **13**-*528,659* PC **A05**/MF **A01**

Conceptual Design for a Gulf Coast Oxidant Transport and Transformation Experiment: Workshop Proceedings and Recommendations.
PB85-173789 **13**-*528,426* PC **A05**/MF **A01**

Proceedings: Seminar Workshop on Aeration System Design, Testing, Operation, and Control Held at Madison, Wisconsin on August 2-4, 1982,
PB85-173896 **14**-*532,043* PC **A20**/MF **A01**

Proceedings of the Summer Ternary Gulf of Mexico Studies Meeting Held at Tampa, Florida, June 1984.
PB85-173953 **13**-*529,017* PC **A06**/MF **A01**

Proceedings of the Southern Forest Biomass Workshop (1984) Held at Athens, Georgia on June 5-7, 1984,
PB85-175461 **12**-*528,232* PC **A06**/MF **A01**

Wild Reindeer of the Soviet Union. Proceedings of the Interdepartmental Conference on the Preservation and Rational Utilization of Wild Reindeer Resources (1st)--Translation.
PB85-175990 **13**-*528,699* PC **A14**/MF **A01**

Conservation and Substitution Technology for Critical Metals in Bearings and Related Components for Industrial Equipment and Opportunities for Improved Bearing Performance. Proceedings of Industry-Academia-Government Workshop Held at Nashville, Tennessee on March 12-14, 1984,
PB85-176246 **13**-*529,761* PC **A19**/MF **A01**

U.S.-China Conference on Science Policy Held at Washington, DC. on January 9-12, 1983.
PB85-176345 **14**-*530,996* PC **A14**/MF **A01**

Ireland in the Year 2000. Proceedings of a Colloquy Held at Kilkea Castle, 1982. Infrastructure, Finance, Employment, Organisation.
PB85-177426 **14**-*530,999* PC **E06**/MF **E06**

Proceedings of the Symposium on the Role of Biology in Development, Dar es Salaam, September 1983,
PB85-178127 **14**-*531,228* PC **A07**/MF **A01**

Proceedings of the International Conference on Input-Output Techniques (7th) Held at Innsbruck, Austria on April 9-13, 1979.
PB85-178135 **13**-*528,571* PC **A20**/MF **A01**

National Conference on Weights and Measures (69th), 1984,
PB85-178432 **12**-*527,503* PC **A15**/MF **A01**

National Construction Conference 1983. Opportunities for Expansion of Output and Employment in the Construction. Summary of Proceedings,
PB85-178648 **14**-*531,059* PC **E04**/MF **E04**

Biotechnology and Microsensors Information Acquisition Systems - Workshop,
PB85-179851 **13**-*529,843* PC **A07**/MF **A01**

Workshop on Objective Analysis: Analysis Strategies for Field-Dependent Estimation.
PB85-179901 **14**-*530,955* PC **A05**/MF **A01**

Workshop on Research Needs in Renewable Materials Engineering. Proceedings Held at West Lafayette, Indiana, October 18-20, 1983,
PB85-180743 **14**-*531,207* PC **A16**/MF **A01**

Research Needs in Renewable Materials Engineering, Workshop, West Lafayette, Indiana, October 18-20, 1983.
PB85-180750 **14**-*531,208* PC **A04**/MF **A01**

National Workshop on Radioactivity in Drinking Water: Committee Issue Papers.
PB85-180883 **14**-*532,491* PC **A20**/MF **A01**

Proceedings: EPA'S (Environmental Protection Agencies) Industry Briefing on the Organic-Acid-Enhanced Limestone FGD (Flue Gas Desulfurization) Process Held at San Antonio, Texas on July 19, 1984,
PB85-181105 **13**-*529,686* PC **A08**/MF **A01**

Security and Privacy. Proceedings of the Joint IBM/University of Newcastle upon Tyne Seminar Held at the University Computing Laboratory on 4-7 September, 1984,
PB85-182251 **15**-*533,845* PC **E08**/MF **E08**

International Conference on Atmospheric Aerosols, Condensation and Ice Nuclei (11th), Held at Budapest, Hungary on 3-8 September 1984. Volume 1.
PB85-182400 **14**-*530,956* PC **A14**/MF **A01**

International Conference on Atmospheric Aerosols, Condensation and Ice Nuclei (11th), Held at Budapest, Hungary on 3-8 September 1984. Volume 2.
PB85-182418 **14**-*530,957* PC **A09**/MF **A01**

Parasitology and Pathology of Marine Organisms of the World Ocean.
PB85-182939 **15**-*533,229* PC **A07**/MF **A01**

Proceedings of the U.S.-Japan Meeting on Aquaculture, Salmon Enhancement (11th) Held at Tokyo, Japan on October 19-20, 1982.
PB85-183010 **15**-*533,230* PC **A05**/MF **A01**

International Conference on Cryogenic Concrete (2nd) Held at Amsterdam, The Netherlands on 4-7 October 1983. Volume 1. Technical Papers.
PB85-183648 **15**-*534,313* PC **E06**/MF **E06**

International Conference on Cryogenic Concrete (2nd) Held at Amsterdam, The Netherlands on 4-7 October 1983. Volume 2. Technical Papers.
PB85-183655 **15**-*534,314* PC **E11**/MF **E11**

Proceedings for the Tri-Regional Pavement Rehabilitation Conference Held at Oklahoma City, Oklahoma on May 14-17, 1984.
PB85-183812 **15**-*534,206* PC **A99**/MF **E03**

Climate Diagnostics Workshop (9th) Annual Proceedings Held at Oregon State University, Corvallis on October 22-26, 1984.
PB85-183911 **16**-*535,397* PC **A19**/MF **A01**

Techniques for Controlling Wild Hogs in Great Smoky Mountains National Park: Proceedings of a Workshop, November 29-30, 1983.
PB85-184414 **16**-*535,671* PC **A05**/MF **A01**

POLYCON '84 - LLDPE. Papers and Proceedings Held at Leeuwenhorst Congres Center, Noordwijkerhout, Netherlands on 9-11 May 1984.
PB85-184851 **15**-*534,065* PC **E07**/MF **E07**

Mouldmaking '85 - A Conference Held at Library Theatre, Solihull, West Midlands on 31 January 1985.
PB85-185940 **16**-*536,339* PC **E04**/MF **E04**

More Seminars on Muonium Spectroscopy,
PB85-187506 **16**-*536,944* PC **E05**/MF **E05**

Proceedings of the Rusts of Hard Pines Working Party Conference (1984), S2.06-10 Held at Athens, Georgia.
PB85-188126 **16**-*535,360* PC **A14**/MF **A01**

Dynamics of Mesoscale Weather Systems: 1984 Summer Colloquium Held at Boulder, Colorado on June 11-July 6, 1984.
PB85-188266 **15**-*533,014* PC **A99**/MF **A01**

Pan American Railway Congress (PARCA) (16th), Held at Washington, DC. on October 3-9, 1984. Directory,
PB85-189132 **15**-*534,221* PC **A03**/MF **A01**

Glossary of Selected Railroad Terms, English-Spanish Translations, for the Pan American Railway Congress (16th) Held at Washington, DC. on October 3-9, 1984,
PB85 189140 **15**-*534,222* PC **A05**/MF **A01**

U.S./U.S.S.R. Symposium on Particulate Control (3rd) Held at Suzdal, U.S.S.R. on September 10-12, 1979.
PB85-190890 **14**-*532,139* PC **A15**/MF **A01**

Report of a Workshop on Cropping Systems Research in Asia Held at Manila on 3-7 March 1980.
PB85-191260 **16**-*535,349* PC **A99**/MF **E03**

Sweet Potato: Proceedings of the International Symposium (1st) Held at Tainan, Taiwan, 1982,
PB85-191278 **16**-*535,350* PC **A21**/MF **A01**

Theory and Management of Tropical Fisheries,
PB85-191369 **16**-*535,675* PC **A16**/MF **A01**

Plumbing Materials and Drinking Water Quality: Proceedings of a Seminar Held at Cincinnati, Ohio on May 16-17, 1984.
PB85-191674 **16**-*536,296* PC **A10**/MF **A01**

Proceedings of the Conference on the 'Diaporthe/Phomopsis' Disease Complex of Soybean Held at Fort Walton Beach, Florida on March 26-27, 1984,
PB85-191799 **17**-*537,079* PC **A06**/MF **A01**

Botswana Experience: A Presentation to the Agency for International Development (AID) Shelter Workshop (4th) Held at Washington, DC. on 25 October-19 November 1982,
PB85-191856 **17**-*537,394* PC **A02**/MF **A01**

Opportunities for Control of Dracunculiasis: Report of a Workshop Held at Washington, DC. on June 16-19, 1982.
PB85-191906 **16**-*535,702* PC **A04**/MF **A01**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 2, Fascicle 2.1. General Tariff Principles - Charging and Accounting in International Telecommunications Services. Recommendations of the D Series.
PB85-192334 **26**-*561,329* PC**$24.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 2, Fascicle 2.2. International Telephone Service Operation. Recommendations E.100-E.323.
PB85-192342 **16**-*536,521* PC**$26.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 2, Fascicle 2.3. International Telephone Service Network Management, Traffic Engineering. Recommendations E.401-E.600.
PB85-192359 **16**-*536,522* PC**$21.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 2, Fascicle 2.4. Telegraph Services - Operations and Quality of Service. Recommendations F.1-F.150.
PB85-192367 **26**-*561,330* PC**$27.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 3, Fascicle 3.3. Digital Networks - Transmission Systems and Multiplexing Equipment. Recommendations G.700-G.956.
PB85-192409 **26**-*561,331* PC**$24.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 3, Fascicle 3.5. Integrated Services Digital Network (ISDN). Recommendations of the Series I.
PB85-192425 **26**-*561,332* PC**$18.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 4, Fascicle 4.3. Maintenance; International Sound-Programme and Television Transmission Circuits. Recommendations of the N Series.
PB85-192458 **26**-*561,333* PC**$15.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 4, Fascicle 4.4. Specifications of Measuring Equipment. Recommendations of the O Series.
PB85-192466 **26**-*561,334* PC**$17.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 6, Fascicle 6.5. Digital Transit Exchanges in Integrated Digital Networks and Mixed Analogue-Digital Networks, Digital Local and Combined Exchanges. Recommendations Q.501-Q.517.
PB85-192524 **26**-*561,335* PC**$17.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 6, Fascicle 6.9. Digital Access Signalling System. Recommendations Q.920-Q.931.
PB85-192565 **26**-*561,336* PC**$19.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 6, Fascicle 6.13. Man-Machine Language (MML). Recommendations Z.301-Z.341.
PB85-192607 **26**-*561,337* PC**$19.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 7, Fascicle 7.1. Telegraph Transmission. Recommendations of the R Series. Telegraph Services Terminal Equipment. Recommendations of the S Series.
PB85-192615 **16**-*536,523* PC**$23.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 7, Fascicle 7.2. Telegraph Switching. Recommendations of the U Series.
PB85-192623 **16**-*536,524* PC**$22.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 7, Fascicle 7.3. Terminal Equipment and Protocols for Telematic Services. Recommendations of the T Series.
PB85-192631 **26**-*561,338* PC**$35.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 8, Fascicle 8.5. Data Communication Networks: Open Systems Interconnection (OSI), System Description Techniques. Recommendations X.200-X.250.
PB85-192680 **26**-*561,339* PC**$30.00**

CCITT Plenary Assembly (8th), Malaga-Torremolinos (Spain), 8-19 October 1984. Volume 9. Protection Against Interference. Recommendations of the K Series. Construction, Installation and Protection of Cables and Other Elements of Outside Plant. Recommendations of the L Series.
PB85-192714 **16**-*536,525* PC**$16.00**

Workshop on Sanitation in Bakel, Senegal Held on April 20-May 3, 1983, and an Assessment of Environmental Health Conditions.
PB85-193803 **17**-*538,486* PC **A04**/MF **A01**

Asian Household Nutrition Appropriate Technology Conference (1st). Proceeding of a Conference Held at Colombo, Sri Lanka on July 12-17, 1981,
PB85-194579 **17**-*537,530* PC **A11**/MF **A01**

Small-Scale Hydropower in Africa: Workshop Proceedings.
PB85-194884 **16**-*536,106* PC **A08**/MF **A01**

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PB85-194926 **16**-*536,084* PC **A09**/MF **A01**

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PB85-194959 **15**-*532,952* PC **A11**/MF **A01**

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PB85-197283 **17**-*537,510* PC **A20**/MF **A01**

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PB85-197341 **17**-*538,666* PC **A10**/MF **A01**

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PB85-199164 **18**-*539,806* PC **A06**/MF **A01**

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PB85-199172 **17**-*537,384* PC **A99**/MF **E08**

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PB85-199347 **18**-*539,723* PC **A07**/MF **A01**

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PB85-199420 **18**-*540,516* PC **A04**/MF **A01**

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PB85-199545 **16**-*536,362* PC **A99**/MF **A01**

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PB85-199917 **18**-*541,155* PC **E04**/MF **E01**

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PB85-199933 **18**-*540,090* PC **E04**/MF **E01**

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PB85-200004 **17**-*538,527* PC **A07**/MF **A01**

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PB85-200061 **17**-*538,734* PC **A05**/MF **A01**

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PB85-201077 **18**-*542,013* PC **A18**/MF **A01**

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PB85-204204 **18**-*540,477* PC **A99**/MF **E04**

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PB85-204790 **18**-*539,731* PC **A04**/MF **A01**

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PB85-205094 **18**-*540,132* PC **A06**/MF **A01**

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PB85-205359 **18**-*540,527* PC **A09**/MF **A01**

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PB85-205474 **18**-*540,001* PC **A07**/MF **A01**

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PB85-206324 **19**-*544,042* PC **A13**/MF **A01**

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PB85-209062 **20**-*544,632* PC **E04**/MF **E01**

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PB85-209070 **20**-*544,633* PC **E04**/MF **E01**

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PB85-210266 **19**-*542,154* PC **A06**/MF **A01**

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PB85-210599 **19**-*542,614* PC **A05**/MF **A01**

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PB85-211456 **19**-*542,871* PC **A99**/MF **E03**

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PB85-212751 **20**-*546,284* PC **E15**/MF **E15**

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PB85-212835 **19**-*542,535* PC **A22**/MF **A01**

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PB85-212918 **19**-*542,932* PC **E12**/MF **E12**

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PB85-214260 **20**-*545,754* PC **A11**/MF **A01**

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PB85-215879 **20**-*544,642* PC **E04**/MF **E01**

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PB85-215911 **20**-*544,688* PC **A08**/MF **A01**

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PB85-216513 **20**-*544,914* PC **A19**/MF **A01**

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PB85-217008 **20**-*545,120* PC **A03**/MF **A01**

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PB85-217206 **17**-*537,409* PC **A06**/MF **A01**

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PB85-219459 **20**-*545,825* PC**$12.85**

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PB85-219475 **21**-*547,596* PC**$7.15**

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PB85-220770 **21**-*548,576* PC **A12**/MF **A01**

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PB85-221463 **22**-*549,684* PC **A02**/MF **A01**

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PB85-222651 **21**-*547,497* PC **A08**/MF **A01**

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PB85-223436 **21**-*548,581* PC **E07**/MF **E01**

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PB85-223444 **21**-*548,582* PC **E07**/MF **E01**

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PB85-223451 **21**-*548,583* PC **E05**/MF **E01**

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PB85-223469 **21**-*548,584* PC **E07**/MF **E01**

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PB85-223477 **21**-*547,335* PC **E06**/MF **E01**

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PB85-223485 **21**-*548,585* PC **E08**/MF **E01**

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PB85-223501 **21**-*548,587* PC **E05**/MF **E01**

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PB85-223519 **21**-*548,588* PC **E05**/MF **E01**

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PB85-223527 **21**-*548,589* PC **E05**/MF **E01**

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PB85-223535 **21**-*548,590* PC **E04**/MF **E01**

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PB85-223816 **21**-*547,853* PC **A06**/MF **A01**

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PB85-223899 **21**-*548,629* PC **E04**/MF **E01**

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PB85-225423 **23**-*553,423* PC **E08**/MF **E01**

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PB85-226280 **19**-*543,710* PC **A09**/MF **A01**

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PB85-226363 **20**-*544,652* PC **E04**/MF **E01**

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PB85-226371 **20**-*544,653* PC **E05**/MF **E01**

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PB85-227379 **22**-*550,691* PC **A99**/MF **E04**

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PB85-227486 **20**-*545,947* PC **A03**/MF **A01**

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PB85-228302 **22**-*550,128* PC **A13**/MF **A01**

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PB85-229250 **23** *552,593* PC **A03**/MF **A01**

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PB85-229631 **23**-*553,193* PC **E12**/MF **E12**

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PB85-230159 **23**-*552,654* PC **E14**/MF **E01**

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PB85-231553 **23**-*553,196* PC **E10**/MF **E10**

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PB85-231579 **23**-*552,440* PC **E06**/MF **E06**

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PB85-232353 **20**-*545,851* PC **A19**/MF **A01**

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PB85-232361 **20**-*545,852* PC **A17**/MF **A01**

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PB85-232544 **20**-*545,166* PC **A10**/MF **A01**

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PB85-233369 **21**-*548,298* PC **A13**/MF **A01**

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PB85-233674 **23**-*554,493* PC **E08**/MF **E01**

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PB85-233682 **23**-*553,468* PC **E17**/MF **E01**

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PB85-233997 **23**-*552,432* PC **A10**/MF **A01**

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PB85-234060 **23**-*552,849* PC **E04**/MF **E01**

Proceedings of the Conference on Evaluating Alternative Local Transportation Financing Techniques Held at Denver, Colorado on November 28-30, 1984,
PB85-234417 **23**-*552,121* PC **A05**/MF **A01**

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PB85-234458 **23**-*553,476* PC **A09**/MF **A01**

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PB85-234581 **23**-*552,572* PC **A06**/MF **A01**

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PB85-234961 **23**-*553,525* PC **A04**/MF **A01**

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PB85-235364 **24**-*556,162* PC **A07**/MF **A01**

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PB85-235604 **20**-*545,853* PC **A24**/MF **A01**

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PB85-235612 **20**-*545,854* PC **A99**/MF **A01**

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PB85-235885 **24**-*555,959* PC **A06**/MF **A01**

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PB85-236297 **24**-*554,637* PC **A07**/MF **A01**

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PB85-236545 **24**-*555,806* PC **E11**/MF **E11**

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PB85-236552 **25**-*558,398* PC **E05**/MF **E05**

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PB85-236644 **24**-*555,054* PC **E03**/MF **E01**

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PB85-236800 **24**-*554,813* PC **A03**/MF **A01**

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PB85-238129 **24**-*554,880* PC **A09**/MF **A01**

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PB85-239614 **24**-*554,968* PC **A04**/MF **A01**

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PB85-239838 **24**-*556,375* PC **E17**/MF **E17**

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PB85-239846 **24**-*555,981* PC **A99**/MF **E11**

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PB85-239853 **24**-*555,982* PC **A99**/MF **E12**

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PB85-239887 **25**-*557,387* PC **A04**/MF **A01**

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PB85-239895 **25**-*557,388* PC **A05**/MF **A01**

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PB85-240398 **24**-*554,781* PC **A13**/MF **A01**

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PB85-240513 **25**-*558,716* PC **A07**/MF **A01**

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PB85-240521 **24**-*554,753* PC **A09**/MF **A01**

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PB85-222602 **21**-*547,823* PC **A03**/MF **A01**

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PB85-146611 **08**-*516,649* PC **E03**/MF **E03**

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PB85-225209 **22**-*549,749* PC **A08**/MF **A01**

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PB85-225597 **22**-*550,059* PC **A03**/MF **A01**

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PB85-151843
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DE81700475 **20**-*544,950* PC **A03**/MF **A01**

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DE84702901 **09**-*518,871* PC **A02**/MF **A01**

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DE84703243 **10**-*521,713* PC **A03**/MF **A01**

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DE85007321 **13**-*530,638* PC **A02**/MF **A01**

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DE85017001 **26**-*561,050* PC **A02**/MF **A01**

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DE85700309 **16**-*536,972* PC **A10**/MF **A01**

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DE85700579 **19**-*542,803* PC **A02**/MF **A01**

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DE85701374 **25**-*559,139* PC **A03**/MF **A01**

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DE85770110 **09**-*518,403* PC **A08**/MF **A01**

Problem of Halogen Elimination and Heavy Metal Analysis in Process Water Samples of the Novel Flue Gas Scrubber Unit of a Refuse-Fuelled Power Plant.
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DE85770155 **14**-*531,419* PC **A09**/MF **A01**

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Competing Nuclear Structures in sup 182-188 Hg.
DE85006694 **13**-*530,400* PC **A02**/MF **A01**

MERCURY 184
Competing Nuclear Structures in sup 182-188 Hg.
DE85006694 **13**-*530,400* PC **A02**/MF **A01**

MERCURY 186
Competing Nuclear Structures in sup 182-188 Hg.
DE85006694 **13**-*530,400* PC **A02**/MF **A01**

MERCURY 188
Competing Nuclear Structures in sup 182-188 Hg.
DE85006694 **13**-*530,400* PC **A02**/MF **A01**

MERCURY 190
Band Crossings in Mercury Nuclei: Effect of Occupation of I13/2 Neutron Orbits.
DE85700550 **18**-*541,769* PC **A02**/MF **A01**

MERCURY 194
Contribution to the Study of sup 193 Au, sup 194 Hg and sup 198 Hg Compound Nuclei.
DE84780428 **01**-*502,526* PC **A04**/MF **A01**

Band Crossings in Mercury Nuclei: Effect of Occupation of I13/2 Neutron Orbits.
DE85700550 **18**-*541,769* PC **A02**/MF **A01**

Anomalies in the Heavy Hg Isotopes.
DE85751327 **20**-*546,780* PC **A02**/MF **A01**

MERCURY 196
Anomalies in the Heavy Hg Isotopes.
DE85751327 **20**-*546,780* PC **A02**/MF **A01**

MERCURY 196 TARGET
Anomalies in the Heavy Hg Isotopes.
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MERCURY 197
Comparative Study of Radiopharmaceuticals as Radiodiagnostic Agent of Cardiac Damage in Rats.
DE85780478 **15**-*533,303* PC **A06**/MF **A01**

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Contribution to the Study of sup 193 Au, sup 194 Hg and sup 198 Hg Compound Nuclei.
DE84780428 **01**-*502,526* PC **A04**/MF **A01**

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Triaxiality in the Even-Mass Hg Isotopes: A Discontinuity at exp 200 Hg.
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Anomalies in the Heavy Hg Isotopes.
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MERCURY 200 TARGET
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MERCURY 202
Anomalies in the Heavy Hg Isotopes.
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MERCURY 202 TARGET
Anomalies in the Heavy Hg Isotopes.
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MERCURY 204 TARGET
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N85-15144/7 **09**-*519,824* PC **A04**/MF **A01**

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PB85-115525 **03**-*505,895* Not available NTIS

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HgCdTe Surface and Defect Study Program.
AD-A156 079/6 **21**-*549,149* PC **A08**/MF **A01**

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N85-11314/0 **04**-*510,181* PC **A02**/MF **A01**

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PB85-194066 **17**-*537,595* PC **E03**/MF **E03**

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Determination of Low Chloride Values in Rocky Flats Scrub Alloy Solutions and Other Complex Matrices.
DE85011506 **20**-*546,237* PC **A02**/MF **A01**

Nephrotoxic Effects on Offspring of Rats Chronically Treated with Mercuric Chloride.
DE85015022 **24**-*555,229* PC **A04**/MF **A01**

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PB85-110161 **02**-*503,611* Not available NTIS

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DE85004329 **09**-*520,187* PC **A02**/MF **A01**

Anomalous Pressure Dependences of the Superconducting Transition Temperature of Graphite Intercalation Compounds.
DE85004353 **09**-*520,743* PC **A02**/MF **A01**

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DE85752214 **25**-*558,641* PC **A02**/MF **A01**

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A Spectroscopic Study of the Excited States of Dimethylzinc, Dimethylcadmium, and Dimethylmercury.
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Biochemical Behaviour of Inorganic Mercury in the Tissues of Rats and Rabbits,
PB85-194066 **17**-*537,595* PC **E03**/MF **E03**

MERCURY IODIDES
New and Revised Methods of Purifying Mercuric Iodide.
DE85011684 **20**-*546,482* PC **A02**/MF **A01**

MERCURY ION ENGINES
Development of the Engineering Test Satellite-3 (ETS-3) Ion Engine System.
N85-10101/2 **03**-*507,785* PC **A17**/MF **A01**

Ion Thruster System (8-cm) Cyclic Endurance Test.
N85-12937/7 **07**-*515,603* PC **A07**/MF **A01**

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N85-15805/3 **10**-*523,138* PC **A02**/MF **A01**

MERCURY IONS
Mise en Oeuvre d'une Transition a Deux Photons pour Mesurer la Temperature d'Ions Hg (+ 1) Refroidis par Collision (Implementation of a Two-Photon Transition to Measure the Temperature of Hg (+ 1) Ions Cooled by Collision),
PB85-144731 **08**-*516,456* PC **E03**/MF **E03**

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Triaxiality in the Even-Mass Hg Isotopes: A Discontinuity at exp 200 Hg.
ANU-P-770 **20**-*546,578* PC **A02**/MF **A01**

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DE84703115 **08**-*517,932* PC **A02**/MF **A01**

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DE85001895 **04**-*510,301* PC **A02**/MF **A01**

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N85-10815/7 **03**-*505,889* PC **A06**/MF **A01**

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PB85-104735 **01**-*502,002* Not available NTIS

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PB85-104743 **01**-*502,003* Not available NTIS

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PB85-123925 **04**-*508,692* PC **A08**/MF **A01**

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PB85-127934 **05**-*511,350* PC **E03**/MF **E01**

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PB85-137628 **06**-*513,380* PC **A02**/MF **A01**

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PB85-153906 **10**-*522,289* PC **A04**/MF **A01**

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PB85-161669 **12**-*527,133* PC **E04**/MF **E04**

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PB85-164069 **11**-*523,838* PC **A02**/MF **A01**

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PB85-186658 **15**-*533,618* PC **E06**/MF **E06**

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PB85-208254 **19**-*542,690* PC **A03**/MF **A01**

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PB85-107241 **01**-*500,782* PC **A07**/MF **A01**

MERCURY/METHYL
Chemical-Induced Erythrocytosis in Wistar Rats: Assessment as a Model for Human Polycythemia.
AD-A156 938/3 **22**-*549,785* PC **A07**/MF **A01**

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PB85-128890 **05**-*511,260* Not available NTIS

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Meteorite Bombardment and Dating of Planetary Surfaces.
N84-35260/8 **02**-*502,877* PC **A08**/MF **A01**

MERCURY POTASSIUM GRAPHITE
Structure and Phonons in Potassium Mercurographitides.
DE85004329 **09**-*520,187* PC **A02**/MF **A01**

MERCURY TELLURIDES
Optical Properties of Epitaxial Layers of Hgsub(1-X) Cdsub(X)Te Grown by Liquid Phase Epitaxy.
DE85701335 **25**-*559,443* PC **A05**/MF **A01**

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PB85-860641 **14**-*531,154* PC **N01**/MF **N01**

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N85-11286/0 **04**-*509,183* PC **A02**/MF **A01**

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PB85-124857 **05**-*511,970* PC **E09**/MF **E01**

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N85-11380/1 **04**-*509,434* PC **A05**/MF **A01**

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N85-11385/0 **04**-*509,435* PC **A02**/MF **A01**

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N85-12152/3 **06**-*513,601* PC **A03**/MF **A01**

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N85-15877/2 **10**-*522,131* PC **A02**/MF **A01**

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N85-18124/6 **12**-*527,125* PC **A02**/MF **A01**

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N85-18125/3 **12**-*527,126* PC **A02**/MF **A01**

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N85-20118/4 **14**-*531,842* PC **A06**/MF **A01**

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N85-27277/1 **19**-*543,230* PC **A04**/MF **A01**

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N85-27874/5 **20**-*547,161* PC **A05**/MF **A01**

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AD-A147 634/0 **04**-*509,045* PC **A02**/MF **A01**

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AD-A153 237/3 **15**-*535,108* Not available NTIS

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AD-A153 368/6 **15**-*533,537* PC **A02**/MF **A01**

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AD-A153 722/4 **16**-*536,928* PC **A02**/MF **A01**

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N85-20223/2 **14**-*531,639* PC **A02**/MF **A01**

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PAT-APPL-6-738 817 **22**-*550,752* PC **A02**/MF **A01**

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PATENT-4 452 624 **03**-*506,364* Not available NTIS

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PATENT-4 459 470 **02**-*504,245* Not available NTIS

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PATENT-4 463 465 **02**-*502,798* Not available NTIS

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N85-17087/6 **11**-*524,043* PC **A04**/MF **A01**

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N85-31566/1 **23**-*553,529* PC **A02**/MF **A01**

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PAT-APPL-6-726 563 **22**-*550,187* PC **A02**/MF **A01**

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AD-A153 009/6 **15**-*534,012* Not available NTIS

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AD-P004 219/2 **06**-*513,539* PC **A02**/MF **A01**

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AD-P004 691/2 **19**-*544,434* PC **A02**/MF **A01**

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AD-P004 700/1 **19**-*543,178* PC **A02**/MF **A01**

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AD-P004 704/3 **19**-*543,182* PC **A02**/MF **A01**

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AD-P004 705/0 **19**-*543,183* PC **A02**/MF **A01**

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N85-29067/4 **21**-*548,126* PC **A04**/MF **A01**

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PATENT-4 499 156 **15**-*534,008* Not available NTIS

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AD-A145 766/2 **01**-*501,254* PC **A03**/MF **A01**

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AD-A146 883/4 **02**-*505,087* PC **A02**/MF **A01**

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AD-A149 267/7 **08**-*516,670* PC **A05**/MF **A01**

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AD-A151 832/3 **13**-*529,236* PC **A07**/MF **A01**

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AD-A153 468/4 **16**-*536,039* PC **A02**/MF **A01**

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AD-A153 664/8 **16**-*536,925* PC **A06**/MF **A01**

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DE85009502 **17**-*537,892* PC **A03**/MF **A01**

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N85-20926/0 **14**-*532,729* PC **A10**/MF **A01**

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N85-22665/2 **15**-*535,121* PC **A14**/MF **A01**

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N85-27702/8 **19**-*544,301* PC **A03**/MF **A01**

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N85-31842/6 **23**-*552,759* PC **A06**/MF **A01**

METAL OXIDE TRANSISTORS

Direct-Write Metallization of Silicon MOSFET's Using Laser Photodeposition.
AD-A154 256/2 **17**-*537,879* PC **A02**/MF **A01**

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AD-A154 279/4 **17**-*537,881* PC **A02**/MF **A01**

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AD-A157 466/4 **23**-*552,751* Not available NTIS

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N85-27704/4 **19**-*544,302* PC **A02**/MF **A01**

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PB85-141331 **05**-*511,469* Not available NTIS

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PB85-143410 **05**-*511,471* Not available NTIS

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N85-32174/3 **24**-*555,336* PC **A02**/MF **A01**

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PAT-APPL-6-640 712 **02**-*504,041* PC **A02**/MF **A01**

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PB85-234227
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PB85-163202 **11**-*524,687* PC **E07**/MF **E07**

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AD-A150 418/2 **10**-*522,117* PC **A09**/MF **A01**

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AD-A157 158/7 **23**-*553,156* PC **A02**/MF **A01**

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AD-A158 896/1 **25**-*558,418* PC **A03**/MF **A01**

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AD-P004 125/1 **04**-*509,393* PC **A02**/MF **A01**

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AD-P004 129/3 **04**-*509,397* PC **A03**/MF **A01**

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N85-31552/1 **23**-*554,296* PC **A03**/MF **A01**

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PB85-129765 **05**-*512,086* PC **E03**/MF **E03**

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METHANE/DIAZO

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N-Bromodifluoromethanimine.
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AD-A148 536/6 **05**-*512,053* PC **A03**/MF **A01**

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AD-A149 992/0 **09**-*519,797* PC **A08**/MF **A01**

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AD-A151 725/9 **13**-*529,453* PC **A04**/MF **A01**

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AD-A158 071/1 **24**-*556,126* PC **A02**/MF **A01**

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AD-A158 660/1 **25**-*558,788* PC **A02**/MF **A01**

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AD-P004 443/8 **12**-*527,867* PC **A02**/MF **A01**

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DE85007090 **13**-*530,092* PC **A04**/MF **A01**

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N84-34618/8 **02**-*504,034* PC **A03**/MF **A01**

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N85-13036/7 **07**-*514,993* PC **A03**/MF **A01**

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N85-28110/3 **20**-*545,002* PC **A02**/MF **A01**

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PB85-865954 **20**-*546,012* PC **N01**/MF **N01**

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AD-A155 402/1 **19**-*542,972* PC **A02**/MF **A01**

Field Trials of a Portable Microseismic Processor Recorder.
PB85-241503 **26**-*560,635* PC **A02**/MF **A01**

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Biotechnology and Microsensors Information Acquisition Systems - Workshop,
PB85-179851 **13**-*529,843* PC **A07**/MF **A01**

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Microshrink, Tensile Properties, and the Detection of Microshrink.
AD-A155 875/8 **21**-*548,137* PC **A02**/MF **A01**

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MicroSIFT Courseware Evaluations. Set 11 (223-259), Set 12 (260-293), and a Special Set of 99 LIBRA Reviews of Junior High School Science Software, Including Subject and Title Indexes Covering Sets 1-12 and Special Set L.
ED-249 918 **11**-*523,548* Not available NTIS

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AD-A152 644/1 **14**-*531,203* PC **A02**/MF **A01**

Calcium Transport in the Microsomal Fraction of Rat Submandibular Glands.
DE84016265 **04**-*508,415* PC **A09**/MF **A01**

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DE85002465 **08**-*516,324* PC **A02**/MF **A01**

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PB85-249852 **26**-*560,268* PC **A02**/MF **A01**

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Turbulent Shear Fields for Dispersion of Aqueous Drops in Organic Liquids and Application to Gel-Sphere Processes.
DE84016562 **02**-*504,796* PC **A03**/MF **A01**

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DE85003485 **08**-*517,430* PC **A04**/MF **A01**

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DE85015695 **26**-*560,416* PC **A03**/MF **A01**

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DE85780589 **17**-*539,129* PC **A02**/MF **A01**

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PAT-APPL-6-617 657 **21**-*548,838* PC **A02**/MF **A01**

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PB85-147130 **08**-*516,707* PC **E04**/MF **E01**

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PB85-870533 **25**-*558,143* PC **N01**/MF **N01**

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PB85-870541 **25**-*558,144* PC **N01**/MF **N01**

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N84-33655/1 **01**-*501,375* PC **A04**/MF **A01**

Analise de Tolerancias de Uma Linha Em Microstrip Pelo Metodo Monte-Carlo (Analysis of Microstrip Line Tolerance Using the Monte-Carlo Method).
N84-33705/4 **01**-*501,269* PC **A02**/MF **A01**

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N84-33706/2 **01**-*501,377* PC **A02**/MF **A01**

Monolithic Microwave Integrated Circuit Devices for Active Array Antennas.
N84-34675/8 **02**-*503,858* PC **A03**/MF **A01**

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N85-11293/6 **04**-*509,185* PC **A02**/MF **A01**

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N85-20223/2 **14**-*531,639* PC **A02**/MF **A01**

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N85-20224/0 **14**-*531,640* PC **A02**/MF **A01**

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N85-21527/5 **14**-*531,644* PC **A03**/MF **A01**

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AD-A145 753/0 **01**-*501,500* PC **A07**/MF **A01**

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AD A145 803/3 **01**-*500,962* PC **A03**/MF **A01**

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AD-A145 980/9 **01**-*500,982* PC **A02**/MF **A01**

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AD-A146 426/2 **01**-*501,540* Not available NTIS

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AD-A146 549/1 **01**-*502,624* PC **A04**/MF **A01**

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AD-A146 685/3 **01**-*502,319* PC **A03**/MF **A01**

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AD-A148 610/9 **06**-*513,556* PC **A09**/MF **A01**

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AD-A154 100/2 **17**-*537,620* PC **A03**/MF **A01**

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AD-A157 077/9 **23**-*553,153* PC **A04**/MF **A01**

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AD-A158 468/9 **25**-*557,925* PC **A02**/MF **A01**

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AD-P004 122/8 **04**-*509,390* PC **A02**/MF **A01**

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AD-P004 124/4 **04**-*509,392* PC **A02**/MF **A01**

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AD-P004 128/5 **04**-*509,396* PC **A02**/MF **A01**

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DE85009902 **19**-*543,159* PC **A02**/MF **A01**

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DE85010979 **18**-*540,554* PC **A02**/MF **A01**

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N84-33522/3 **01**-*501,519* PC **A02**/MF **A01**

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N84-34031/4 **01**-*501,467* PC **A02**/MF **A01**

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N85-10087/3 **03**-*506,437* PC **A03**/MF **A01**

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N85-10166/5 **03**-*506,439* PC **A05**/MF **A01**

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N85-10186/3 **03**-*506,383* PC **A03**/MF **A01**

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N85-10371/1 **03**-*506,806* PC **A03**/MF **A01**

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N85-11177/1 **04**-*509,424* PC **A06**/MF **A01**

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N85-11237/3 **04**-*509,433* PC **A05**/MF **A01**

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N85-12129/1 **06**-*513,592* PC **A02**/MF **A01**

Effects of Microstructure on the Temper Embrittlement Susceptibility of a Cr-2-1/4 1Mo Forging.
N85-12151/5 **06**-*513,600* PC **A03**/MF **A01**

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N85-12154/9 **06**-*513,603* PC **A03**/MF **A01**

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N85-12155/6 **06**-*513,514* PC **A03**/MF **A01**

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N85-12157/2 **06**-*513,516* PC **A02**/MF **A01**

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N85-12160/6 **06**-*513,517* PC **A02**/MF **A01**

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N85-12388/3 **06**-*513,607* PC **A03**/MF **A01**

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N85-18125/3 **12**-*527,126* PC **A02**/MF **A01**

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N85-18127/9 **12**-*527,127* PC **A06**/MF **A01**

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N85-18996// **13**-*529,491* PC **A02**/MF **A01**

Creep-Rupture Behavior of Iron Superalloys in High-Pressure Hydrogen.
N85-19078/3 **13**-*529,497* PC **A03**/MF **A01**

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N85-21320/5 **14**-*531,874* PC **A09**/MF **A01**

Structure of Condensed Aluminum Thin Film Metallizations.
N85-25501/6 **18**-*540,854* PC **A02**/MF **A01**

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N85-26961/1 **19**-*543,222* PC **A03**/MF **A01**

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N85-26963/7 **19**-*543,224* PC **A03**/MF **A01**

Method for Refining Microstructures of Cast Titanium Articles.
PATENT-4 482 398 **10**-*522,136* Not available NTIS

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PB85-143543 **06**-*513,616* Not available NTIS

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PB85-206340
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PB85-206506
19-*544,057*
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Microstructure and Optical Properties of Thin Films Prepared by Molecular Beam Techniques,
PB85-206514
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Studies of Microstructure in Native Celluloses Using Solid-State 13C NMR.
PB85-221877 **21**-*547,796* Not available NTIS

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DE85003040 **07**-*515,561* PC **A03**

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DE85010725 **18**-*541,719* PC **A02**/MF **A01**

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DE85012658 **21**-*549,085* PC **A02**/MF **A01**

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DE85012669 **22**-*551,387* PC **A02**/MF **A01**

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DE85012679 **22**-*551,392* PC **A02**/MF **A01**

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DE84007332 **20**-*546,054* PC **A05**

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DE85000340 **04**-*509,966* PC **A03**/MF **A01**

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DE85000408 **05**-*512,201* PC **A03**/MF **A01**

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DE85000599 **07**-*515,314* PC **A03**/MF **A01**

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DE85002568 **07**-*515,333* PC **A02**/MF **A01**

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DE85004430 **09**-*519,073* PC **A04**/MF **A01**

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DE85004959 **11**-*524,962* PC **A03**/MF **A01**

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DE85005282 **10**-*521,918* PC **A02**

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DE85005283 **10**-*522,614* PC **A02**

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DE85005284 **10**-*522,615* PC **A02**

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DE85006343 **12**-*527,697* PC **A03**/MF **A01**

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DE85007892 **14**-*532,415* PC **A03**/MF **A01**

Research on Megawatt Gyrotrons. January 1983-December 1984.
DE85009962 **17**-*538,847* PC **A02**/MF **A01**

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DE85010348 **18**-*541,452* PC **A05**/MF **A01**

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DE85011576 **20**-*546,072* PC **A02**/MF **A01**

140 GHz Gyrotron Development Program. Quarterly Report No. 1, March-June 1984.
DE85011923 **22**-*550,966* PC **A05**/MF **A01**

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DE85013555 **22**-*551,020* PC **A12**/MF **A01**

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DE85014887 **24**-*556,259* PC **A06**/MF **A01**

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DE85016739 **26**-*560,658* PC **A04**/MF **A01**

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PATENT-4 477 781 **10**-*522,009* Not available NTIS

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PB85-858967 **13**-*529,259* PC **N01**/MF **N01**

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AD-A148 694/3 **06**-*513,972* PC **A03**/MF **A01**

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AD-A150 721/9 **11**-*524,290* PC **A04**/MF **A01**

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N85-15779/0 **10**-*522,002* PC **A02**/MF **A01**

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N85-15944/0 **10**-*522,004* PC **A02**/MF **A01**

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N85-15989/5 **10**-*522,580* PC **A03**/MF **A01**

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PATENT-4 472 719 **11**-*524,916* Not available NTIS

Comparison of Measured and Calculated Mutual Coupling in the Near Field between Microwave Antennas.
PB85-105963 **02**-*503,861* PC **A04**/MF **A01**

Preliminary Investigation into Using the Sun as a Source for G/T (Gain to System Noise Temperature) Measurements.
PB85-128148 **05**-*511,560* PC **A02**/MF **A01**

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PB85-143592 **06**-*513,478* Not available NTIS

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PB85-869212 **24**-*555,595* PC **N01**/MF **N01**

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PB85-872026 **26**-*560,741* PC **N01**/MF **N01**

MICROWAVE ATTENUATION

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N84-33637/9 **01**-*502,647* PC **A02**/MF **A01**

Microwave Propagation and Backscattering Characteristics of Vegetation.
N85-23213/0 **15**-*532,948* PC **A11**/MF **A01**

MICROWAVE BEAMS

Microwave Emission from Relativistic Electron Beams.
AD-A151 472/8 **12**-*528,100* PC **A03**/MF **A01**

MICROWAVE CIRCUITS

Analise de Tolerancias de Uma Linha Em Microstrip Pelo Metodo Monte-Carlo (Analysis of Microstrip Line Tolerance Using the Monte-Carlo Method).
N84-33705/4 **01**-*501,269* PC **A02**/MF **A01**

Projeto de Dispositivos Ativos E Passivos Em Microondas COM Auxilio de Computador (Project Active and Passive Microwave Devices with Auxillary Computer).
N84-34185/8 **01**-*501,381* PC **A07**/MF **A01**

Monolithic Microwave Integrated Circuit Devices for Active Array Antennas.
N84-34675/8 **02**-*503,858* PC **A03**/MF **A01**

Conception de Circuits Assistee Par Ordinateur: Realisation de Masques pour l'Elaboration de Circuits Microondes (Computerized Circuit Designs: Realization of Masks to Manufacture Microwave Circuits).
N85-13168/8 **07**-*515,150* PC **A05**/MF **A01**

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N85-15779/0 **10**-*522,002* PC **A02**/MF **A01**

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N85-18239/2 **12**-*526,971* PC **A09**/MF **A01**

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N85-28824/9 **20**-*546,023* PC **A06**/MF **A01**

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PB85-865111 **19**-*542,993* PC **N01**/MF **N01**

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PB85-868560 **23**-*553,787* PC **N01**/MF **N01**

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PB85-945800 **11**-*524,900* Standing Order

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PB85-947100 **11**-*524,907* Standing Order

Microwave Applications.
PB85-947800 **11**-*524,914* Standing Order

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AD-A156 168/7 **21**-*548,782* PC **A02**/MF **A01**

Integrated Defense Communications System Antijamming Antenna System.
PAT-APPL-6-654 338 **05**-*512,177* PC **A02**/MF **A01**

MICROWAVE COUPLING

Maser Cavity Servo-Tuning System.
PATENT-4 517 530 **22**-*551,320* Not available NTIS

MICROWAVE DOUBLE RESONANCE

Microwave Optical Double Resonance of NO2 with a Tunable CW Laser.
PB85-118354 **03**-*505,909* Not available NTIS

MICROWAVE EMISSION

Power Transfer from Natural Emitters to Collection Apertures at Microwave Wavelengths.
N85-15989/5 **10**-*522,580* PC **A03**/MF **A01**

Microwave Emissions from Snow.
N85-17403/5 **11**-*524,181* PC **A03**/MF **A01**

Data Report on Variations in the Composition of Sea Ice During Mizex/East'83 with the Nimbus-7 SMMR.
N85-18443/0 **12**-*526,864* PC **A07**/MF **A01**

Remote Sensing of Snow and Evapotranspiration.
N85-23223/9 **15**-*533,754* PC **A09**/MF **A01**

Technical Development to Improve Satellite Sounding over Radiatively Complex Terrain.
N85-25929/9 **18**-*540,620* PC **A05**/MF **A01**

MICROWAVE EQUIPMENT

Support for the Naval Research Laboratory Passive Microwave Clutter Analysis Program.
AD-A146 771/1 **02**-*504,580* PC **A03**/MF **A01**

Use of Spatial Time-Division Repetition Rate Multiplication of Mode-Locked Laser Pulses to Generate Microwave Radiation from Optoelectronic Switches.
AD-A147 129/1 **02**-*504,465* PC **A02**/MF **A01**

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AD-A147 406/3 **03**-*506,056* PC **A03**/MF **A01**

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AD-A152 769/6 **15**-*533,859* PC **A02**/MF **A01**

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AD-A157 376/5 **23**-*554,225* PC **A04**/MF **A01**

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AD-P004 635/9 **17**-*538,008* PC **A02**/MF **A01**

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DE85003097 **08**-*516,661* PC **A05**/MF **A01**

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DE85009964 **15**-*533,782* PC **A02**/MF **A01**

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DE85751765 **23**-*553,297* PC **A02**/MF **A01**

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N85-27193/0 **19**-*543,687* PC **A02**/MF **A01**

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N85-29980/8 **22**-*550,839* PC **A03**/MF **A01**

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PATENT-4 465 988 **04**-*509,188* Not available NTIS

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PATENT-4 510 622 **23**-*552,864* Not available NTIS

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PATENT-4 532 797 **26**-*561,293* Not available NTIS

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PB85-143519 **05**-*511,567* Not available NTIS

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PB85-224434
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AD-A148 370/0 **05**-*512,523* PC **A10**/MF **A01**

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N84-33706/2 **01**-*501,377* PC **A02**/MF **A01**

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N85-11293/6 **04**-*509,185* PC **A02**/MF **A01**

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N85-31412/8 **23**-*552,877* PC **A02**/MF **A01**

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PATENT-4 477 787 **03**-*506,232* Not available NTIS

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PB85-858652 **12**-*526,978* PC **N01**/MF **N01**

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AD-A158 447/3 **25**-*559,674* PC **A03**/MF **A01**

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DE85013595 **23**-*553,922* PC **A02**/MF **A01**

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N85-31603/2 **23**-*552,662* PC **A03**/MF **A01**

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AD-A156 468/1 **21**-*547,452* MF **A01**

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N85-12900/5 **07**-*515,304* PC **A07**/MF **A01**

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N85-28941/1 **21**-*547,219* PC **A06**/MF **A01**

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AD-A150 698/9 **11**-*524,288* PC **A02**/MF **A01**

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N85-31415/1 **23**-*552,879* PC **A03**/MF **A01**

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PAT-APPL-6-679 970 **07**-*514,865* PC **A03**/MF **A01**

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PAT-APPL-6-679 974 **07**-*514,868* PC **A02**/MF **A01**

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PAT-APPL-6-699 990 **11**-*524,209* PC **A02**/MF **A01**

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PATENT-4 513 513 **26**-*561,185* Not available NTIS

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N85-14027/5 **08**-*517,277* PC **A18**/MF **A01**

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N85-15990/3 **10**-*522,483* PC **A05**/MF **A01**

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N85-17350/8 **11**-*524,808* PC **A09**/MF **A01**

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PATENT-4 474 062 **03**-*505,307* Not available NTIS

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PB85-866895 **21**-*548,799* PC **N01**/MF **N01**

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N85-13361/9 **07**-*515,591* PC **A04**/MF **A01**

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N85-23213/0 **15**-*532,948* PC **A11**/MF **A01**

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N85-27320 **19**-*542,148* PC **A16**/MF **A01**

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N85-21758/6 **14**-*531,617* PC **A04**/MF **A01**

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AD-A153 235/7 **15**-*533,530* Not available NTIS

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AD-A158 109/9 **24**-*555,284* PC **A04**/MF **A01**

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PB85-145639 **06**-*513,950* Not available NTIS

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PB85-163988 **11**-*523,347* PC **E04**/MF **E01**

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PB85-183218 **15**-*533,596* Not available NTIS

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AD-A147 108/5 **02**-*503,754* PC **A02**/MF **A01**

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AD-A154 148/1 **17**-*538,308* PC **A02**/MF **A01**

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N85-33197/3 **26**-*560,909* PC **A02**/MF **A01**

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PB85-168334 **12**-*528,102* PC **A03**/MF **A01**

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AD-A146 747/1 **02**-*503,437* PC **A02**/MF **A01**

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AD-A148 866/7 **07**-*514,652* PC **A03**/MF **A01**

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AD-A148 867/5 **07**-*514,653* PC **A04**/MF **A01**

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AD-A150 192/3 **10**-*522,973* PC **A02**/MF **A01**

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AD-A150 829/0 **11**-*523,867* PC **A06**/MF **A01**

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AD-A155 531/7 **19**-*542,734* PC **A03**/MF **A01**

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AD-A155 839/4 **21**-*548,802* PC **A04**/MF **A01**

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AD-A156 780/9 **22**-*549,921* PC **A02**/MF **A01**

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AD-P004 960/1 **24**-*555,175* PC **A02**/MF **A01**

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N85-11432/0 **04**-*509,024* PC **A05**/MF **A01**

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N85-18337/4 **12**-*527,942* PC **A07**/MF **A01**

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N85-20223/2 **14**-*531,639* PC **A02**/MF **A01**

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N85-23068/8 **15**-*535,301* PC **A03**/MF **A01**

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PB85-124592 **04**-*508,656* PC **A02**/MF **A01**

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PB85-129286 **05**-*512,085* Not available NTIS

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PB85-147205 **08**-*516,284* PC **A02**/MF **A01**

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PB85-156834 **10**-*521,637* PC **A03**/MF **A01**

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PB85-176600 **14**-*531,403* PC **A02**/MF **A01**

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PB85-207462 **18**-*540,262* PC **A03**/MF **A01**

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PB85-219707 **20**-*544,891* PC **A02**/MF **A01**

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PB85-173698 **13**-*529,099* PC **A03**/MF **A01**

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N85-11450/2 **04**-*508,939* PC **A04**/MF **A01**

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PB85-227858 **22**-*550,718* PC **A05**/MF **A01**

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PB85-118578 **03**-*506,034* PC **E13**/MF **E13**

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N85-19075/9 **13**-*529,495* PC **A02**/MF **A01**

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DE85780852 **17**-*537,788* PC **A02**/MF **A01**

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PB85-193175 **17**-*537,791* PC **E04**/MF **E01**

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N85-10142/6 **03**-*505,812* PC **A03**/MF **A01**

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N85-10456/0 **03**-*505,927* PC **A08**/MF **A01**

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PB85-170108 **12**-*526,853* PC **A08**/MF **A01**

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PB85-201739 **18**-*539,903* PC **A03**/MF **A01**

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PB85-229011 **23**-*552,710* PC **E09**/MF **E09**

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DE85701050 **22**-*549,935* PC **A15**/MF **A01**

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DE85700436 **17**-*539,011* PC **A07**/MF **A01**

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DE85700437 **17**-*539,012* PC **A03**/MF **A01**

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DE85701055 **24**-*556,447* PC **A02**/MF **A01**

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AD-P004 293/7 **06**-*513,378* PC **A02**/MF **A01**

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N85-11449/4 **04**-*508,938* PC **A06**/MF **A01**

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N85-29413/0 **21**-*548,692* PC **A05**/MF **A01**

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PATENT-4 474 409 **03**-*506,020* Not available NTIS

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PB85-145787 **08**-*516,256* PC **A07**/MF **A01**

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PB85-170728 **13**-*529,091* PC **E03**/MF **E01**

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PB85-177111 **13**-*529,682* PC **A06**/MF **A01**

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PB85-177129 **13**-*529,683* PC **A04**/MF **A01**

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PB85-215754 **21**-*547,868* PC **A03**/MF **A01**

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PB85-244333 **26**-*561,489* PC **E11**/MF **E11**

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PB85-854792 **07**-*515,252* PC **N01**/MF **N01**

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PB85-207520 **19**-*542,850* PC **A04**/MF **A01**

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AD-A150 574/2 **10**-*521,915* PC **A02**/MF **A01**

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AD-A146 459/3 **01**-*502,068* PC **A03**/MF **A01**

MINIATURE ELECTRON TUBES

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AD-A150 574/2 **10**-*521,915* PC **A02**/MF **A01**

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PATENT-4 485 671 **13**-*529,833* Not available NTIS

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PB85-131670 **05**-*511,876* PC **A03**/MF **A01**

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AD-A145 856/1 **01**-*500,370* PC **A02**/MF **A01**

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AD-A148 191/0 **04**-*509,099* PC **A02**/MF **A01**

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AD-A148 192/8 **04**-*509,100* PC **A03**/MF **A01**

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AD-A150 523/9 **10**-*521,943* PC **A02**/MF **A01**

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AD-A151 761/4 **13**-*528,307* PC **A05**/MF **A01**

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N85-31845/9 **23**-*554,542* PC **A03**/MF **A01**

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PB85-870418 **25**-*558,221* PC **N01**/MF **N01**

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PB85-108660 **02**-*502,808* PC **A02**/MF **A01**

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PB85-168367 **12**-*525,925* PC **A02**/MF **A01**

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PB85-154128 **10**-*521,529* PC **A03**/MF **A01**

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AD-A146 026/0 **01**-*501,355* Not available NTIS

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N85-14600/9 **08**-*516,968* PC **A02**/MF **A01**

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ED-256 319 **25**-*557,496* Not available NTIS

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DE85770319 **25**-*558,091* PC **A05**/MF **A01**

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DE85780571 **20**-*545,081* PC **A03**/MF **A01**

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PB85-106862 **02**-*503,691* PC **A05**/MF **A01**

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PB85-107027 **02**-*503,017* PC **A05**/MF **A01**

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PB85-107092 **02**-*503,635* PC **A04**/MF **A01**

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AD-A148 467/4 **05**-*512,195* PC **A09**/MF **A01**

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N85-12044/2 **06**-*513,965* PC **A03**/MF **A01**

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N85-31082/9 **23**-*553,755* PC **A03**/MF **A01**

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PB85-198745 **18**-*540,824* PC **E04**/MF **E04**

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N85-14786/6 **09**-*518,321* PC **A03**/MF **A01**

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N85-22366/7 **15**-*534,480* PC **A03**/MF **A01**

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DE85001927 **04**-*509,903* PC **A04**/MF **A01**

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PB85-120251 **04**-*509,013* PC **E03**/MF **E01**

MOISTURE METERS

Determinazione Dello Stato di Conservazione di Prodotti Agricoli a Lunga Conservazione Tramite Sensori Capacitivi (Determination of the Conservation State of Long Conservation Agricultural Products by Means of Capacitive Sensors).
N85-11447/8 **04**-*508,590* PC **A02**/MF **A01**

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N85-22754/4 **15**-*534,059* PC **A04**/MF **A01**

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AD-P004 459/4 **12**-*527,880* PC **A02**/MF **A01**

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AD-A155 222/3 **19**-*543,980* PC **A02**/MF **A01**

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AD-A157 658/6 **23**-*552,503* PC **A02**/MF **A01**

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PB85-230720 **23**-*552,001* Not available NTIS

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N84-34249/2 **01**-*501,078* PC **A06**/MF **A01**

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N85-13758/6 **07**-*514,397* PC **A03**/MF **A01**

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PB85-222099 **21**-*547,807* Not available NTIS

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PB85-232742 **23**-*552,568* PC **E04**/MF **E04**

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PB85-119394 **03**-*505,912* PC **E09**/MF **E09**

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PB85-123321 **04**-*508,845* Not available NTIS

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PB85-129393 **05**-*511,273* Not available NTIS

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PB85-202026 **18**-*540,372* Not available NTIS

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PB85-205342 **19**-*542,826* Not available NTIS

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PB85-241438 **26**-*560,528* PC **E07**/MF **E01**

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PB85-200319 **17**-*537,741* PC **E04**/MF **E04**

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PB85-212439 **19**-*542,856* PC **E07**/MF **E07**

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DE85700822 **18**-*541,888* PC **A02**/MF **A01**

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PB85-189512 **15**-*533,637* Not available NTIS

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AD-A150 161/8 **10**-*521,671* PC **A02**/MF **A01**

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AD-A152 022/0 **13**-*528,950* PC **A03**/MF **A01**

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PB85-141992 **06**-*513,273* Not available NTIS

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PB85-142123 **06**-*513,278* Not available NTIS

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PB85-227627 **22**-*550,042* Not available NTIS

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AD-A147 045/9 **02**-*503,514* PC **A02**/MF **A01**

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AD-A150 301/0 **10**-*521,682* PC **A02**/MF **A01**

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AD-A158 239/4 **24**-*555,289* PC **A02**/MF **A01**

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N85-30936/7 **22**-*551,799* PC **A02**/MF **A01**

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PB85-102747 **01**-*501,098* Not available NTIS

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PB85-189207 **16**-*535,880* Not available NTIS

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PB85-219848 **20**-*545,022* Not available NTIS

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PB85-222032 **21**-*547,803* Not available NTIS

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PB85-225720 **22**-*550,030* Not available NTIS

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PB85-227601 **22**-*550,040* Not available NTIS

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PB85-231850 **23**-*552,003* PC **E03**/MF **E03**

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PB85-220655 **18**-*541,922* PC **A04**/MF **A01**

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N85-16649/4 **10**-*521,018* PC **A02**/MF **A01**

MOLECULAR INTERACTIONS

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N85-31927/5 **23**-*552,523* PC **A13**/MF **A01**

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AD-A148 068/0 **04**-*508,759* PC **A02**/MF **A01**

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AD-A150 068/5 **09**-*518,843* PC **A02**/MF **A01**

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AD-A148 246/2 **05**-*511,187* PC **A02**/MF **A01**

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AD-A152 928/8 **15**-*534,768* PC **A02**/MF **A01**

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Theory and Applications of the Method of Self-Consistent Electron Pairs.
DE85013842 **22**-*550,004* PC **A06**/MF **A01**

Microscopic Simulations of Shock Propagation in Condensed Media: Comparison Between Real Time and Frequency Domains.
DE85015540 **25**-*557,968* PC **A02**/MF **A01**

Calculation of the Mutual Diffusion Coefficient by Equilibrium and Nonequilibrium Molecular Dynamics.
DE85015703 **25**-*557,972* PC **A03**/MF **A01**

MOLECULAR ORBITALS

A Study of the CH2NO2 Radical Using a Multiconfiguration Self-Consistent Field Approach.
AD-A148 167/0 **04**-*508,769* PC **A02**/MF **A01**

Ab Initio Studies of HXYPO and XYPOH Molecules.
AD-A150 460/4 **10**-*521,693* PC **A02**/MF **A01**

Semiempirical Molecular Orbital Techniques Applied to Silicon Dioxide: MINDO/3.
AD-A157 101/7 **23**-*554,307* PC **A02**/MF **A01**

Can Simple Localized Bond Orbitals and Coupled Cluster Methods Predict Reliable Molecular Energies.
AD-A158 467/1 **25**-*557,924* PC **A02**/MF **A01**

Why CO Bonds Side-on at Low Coverage and Both Side-on and Upright at High Coverage on the Cr(110) Surface.
N85-32173/5 **24**-*555,335* PC **A02**/MF **A01**

Molecular Orbital Studies in Oxidation: Sulfate Formation and Metal-Metal Oxide Adhesion.
N85-32174/3 **24**-*555,336* PC **A02**/MF **A01**

Collisional Redistribution of Circularly Polarized Light in Barium Perturbed by Argon.
PB85-227585 **22**-*550,038* Not available NTIS

MOLECULAR PACKING

Influence of Molecular Packing on Solid-State 13C Chemical Shifts: The n-Alkanes.
PB85-143329 **05**-*511,340* Not available NTIS

MOLECULAR PHOTON INTERACTIONS

Laser Intensity Dependence of Multiphoton Excitation vs. Collisional Relaxation in Chlorodifluoromethane and Chlorotrifluoroethylene.
PB85-205722 **19**-*542,831* Not available NTIS

MOLECULAR PHYSICS

Second European Conference on Atomic and Molecular Physics.
AD-A155 863/4 **21**-*547,740* PC **A02**/MF **A01**

MOLECULAR PROPERTIES

Molecular Aspects of Tack.
AD-A146 769/5 **02**-*504,095* Not available NTIS

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AD-A147 281/0 **03**-*505,919* PC **A05**/MF **A01**

Spectroscopy of Jet-Cooled Benzene: Single Vibronic Level Fluorescence Studies.
AD-A147 484/0 **03**-*505,843* PC **A02**/MF **A01**

Applications of Molecular Dynamics to the Study of Shock-Induced Chemistry.
AD-A148 017/7 **04**-*508,752* PC **A02**/MF **A01**

Molecular Dynamics in Nitramines and Modified Nitramines.
AD-A148 515/0 **05**-*511,217* PC **A02**/MF **A01**

Application of Monte Carlo and Molecular Dynamics Methods to the Calculation of Thermodynamic Properties of Molten Salts.
AD-A148 897/2 **07**-*515,491* PC **A02**/MF **A01**

NMR (Nuclear Magnetic Resonance) Spectroscopy at High Pressure.
AD-A150 101/4 **09**-*518,846* PC **A02**/MF **A01**

Molecular Dynamics Studies of Energy Transfer Processes in Crystal Systems.
AD-A150 161/8 **10**-*521,671* PC **A02**/MF **A01**

Enhancement of Molecular Fluorescence and Photochemistry by Small Metal Particles.
AD-A152 740/7 **14**-*531,483* PC **A03**/MF **A01**

Variational Transition State Theory.
AD-A153 431/2 **16**-*535,806* Not available NTIS

Detection and Study of Molecular Species Using Time Resolved Laser Spectroscopy.
AD-A155 910/3 **21**-*547,742* PC **A02**/MF **A01**

Molecular Control.
AD-A156 709/8 **22**-*549,977* PC **A04**/MF **A01**

Part A. Molecular Dynamics and Ionic Associations of LiAsF6 in 4-Butyrolactone Mixtures with 2-Methyl Tetrahydrofuran. Part B. Molecular Dynamics and Ionic Associations of LiBF4 in 1,2-Dimethoxymethane.
AD-A157 401/1 **23**-*552,493* PC **A04**/MF **A01**

Molecular Dynamics and Ionic Associations of LiAsF6 in 4-Butyrolactone Mixtures with 2-Methyltetrahydrofuran.
AD-A158 377/2 **25**-*557,911* PC **A02**/MF **A01**

Femtosecond Excited State Relaxation of Dye Molecules in Solution.
AD-A158 435/8 **25**-*557,921* PC **A02**/MF **A01**

Molecular Dynamics of Propellant Gases. Part 2.
AD-P004 546/8 **15**-*534,709* PC **A02**/MF **A01**

MOLECULAR RELAXATION

Vibrational Relaxation of Carbon Dioxide (101) and Carbon Monoxide (v= 2) during Gas-Surface Collisions.
AD-A156 207/3 **21**-*547,749* PC **A02**/MF **A01**

Part A. Molecular Dynamics and Ionic Associations of LiAsF6 in 4-Butyrolactone Mixtures with 2-Methyl Tetrahydrofuran. Part B. Molecular Dynamics and Ionic Associations of LiBF4 in 1,2-Dimethoxymethane.
AD-A157 401/1 **23**-*552,493* PC **A04**/MF **A01**

Low-Frequency Sound Absorption Measurements in Air.
N85-11789/3 **04**-*510,164* PC **A03**/MF **A01**

Infrared Double-Resonance Spectroscopy of V-T,R Relaxation of HF(v= 1): Direct Measurement of the High-J Populations.
PB85-100246 **01**-*501,086* Not available NTIS

Influence de la Relaxation sur les Caracteristiques Mecaniques d'un Composite Carbone Epoxy (Influence of Relaxation on the Mechanical Properties of a Carbon Epoxy Composite).
PB85-105443 **01**-*501,580* PC **E03**/MF **E03**

Stochastic Defect Diffusion Model for Relaxation Effects in Crystalline Polyethylene.
PB85-145431 **06**-*513,313* Not available NTIS

Picosecond Vibrational Energy Relaxation of Surface Hydroxyl Groups on Colloidal Silica.
PB85-147908 **06**-*513,322* Not available NTIS

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PB85-179109
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PB85-205722 **19**-*542,831* Not available NTIS

Viscoelastic Relaxation of Cross-Linked Polymer Networks.
PB85-208056 **20**-*545,007* Not available NTIS

Vibrational Deactivation of Surface OH Chemisorbed on SiO2: Solvent Effects.
PB85-230688 **23**-*552,555* Not available NTIS

Vibrational Energy Relaxation of Adsorbates on Surfaces.
PB85-230696 **23**-*552,556* Not available NTIS

Creep and Stress-Relaxation Behavior of Ultra High Molecular Weight Polyethylene in Uniaxial Extension and Compression.
PB85-230829 **23**-*553,195* Not available NTIS

MOLECULAR ROTATION

Structure, Bonding, and Internal Rotation in H3PO, H2POH, and HfPOH.
AD-A150 475/2 **10**-*521,695* PC **A02**/MF **A01**

Rotationsinelastic Streuung von He-Atoms an HF-, HCl-, CF4-, SF6-, C2H6- und C2F6-Molekueln (Rotational Inelastic Scattering of He-Atoms at HF-, HCl-, CF4-, SF6-, C2H6- and C2F6-Molecules).
N85-13590/3 **07**-*514,710* PC **A10**/MF **A01**

Ro-Vibrational Excitation of HCl by Electron Impact.
PB85-100220 **01**-*501,085* Not available NTIS

New Interstellar Molecular Transitions in the 2-MM Range.
PB85-111805 **03**-*505,384* Not available NTIS

High Resolution Spectrum of the HC1 Dimer.
PB85-123438 **04**-*508,850* Not available NTIS

Line Frequency Expressions for Triply Degenerate Fundamentals of Spherical Top Molecules Appropriate for Large Angular Momentum.
PB85-128882 **05**-*511,259* Not available NTIS

Vibrational Predissociation, Tunneling and Rotational Saturation in the HF and DF Dimers.
PB85-143881 **06**-*513,293* Not available NTIS

Effect of Vibration-Rotation Interaction on the Quadrupole Hyperfine Structure of Molecular Rotational Levels.
PB85-145548 **06**-*513,317* Not available NTIS

Barriers to Internal Rotation in Inorganic Species.
PB85-182863 **15**-*533,593* Not available NTIS

Summary of Group Theoretical Results for Microwave and Infrared Studies of H2O2.
PB85-183218 **15**-*533,596* Not available NTIS

Application of Hueckel-Moebius Concept to Torsional Vibration and Internal Rotation of Molecules.
PB85-184760 **15**-*533,613* Not available NTIS

Inferences About Molecular Motion from Proton Decoupled 13C NMR Spectra of Solid Polymers.
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PB85-197762 **17**-*537,733* Not available NTIS

State Selected Velocity Measurements: NO/Ru(001) Thermal Desorption.
PB85-201861 **18**-*540,365* Not available NTIS

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PB85-202737 **18**-*540,382* Not available NTIS

Ajustement de Fonction de Correlation Vibrationnelle et Rotationnelle (Adjustment of the Vibrational and Rotational Correlation Function).
PB85-212447 **19**-*542,857* PC **E03**/MF **E03**

Detection of Nitrogen Rotational Distributions by Resonant 2 + 2 Multiphoton Ionization Through the a(sup 1)pi(sub g) State.
PB85-227577 **22**-*550,037* Not available NTIS

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Rotational-State and Spin-State Distributions - NO Thermally Desorbed from Ru(001).
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Laser-Induced Fluorescence Measurement of Nascent Vibrational and Rotational Product State Distributions in the Charge Transfer of Ar(+ 1) + N2 yields Ar + N2(+ 1) (v= 0.1) at 0.2 eV.
PB85-141968 **06**-*513,272* Not available NTIS

MOLECULAR SIEVES

The Effects of Moisture on Molecular Sieve Oxygen Concentrators.
AD-A150 901/7 **11**-*524,789* PC **A02**/MF **A01**

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N85-21250/4 **14**-*531,900* PC **A03**/MF **A01**

Correlation Spectrometer Having High Resolution and Multiplexing Capability.
PATENT-4 474 471 **03**-*506,815* Not available NTIS

MOLECULAR SPECTROSCOPY

Assessment of Relative Error Sources in IR DIAL (Differential Absorption Lidar) Measurement Accuracy.
AD-A147 024/4 **02**-*504,571* PC **A02**/MF **A01**

Heterodyne Radiometry Measurements of the 557 GHz H2O Rotational Line.
AD-A147 785/0 **04**-*508,732* PC **A02**/MF **A01**

Linewidth and Bandwidth Measurements of the Q-Branch of H2 Using CW Coherent Anti-Stokes Raman Spectroscopy.
AD-A151 868/7 **13**-*528,946* PC **A05**/MF **A01**

Electronic Spectra of Phthalocyanine Radical Anions and Cations.
AD-A152 328/1 **14**-*531,445* PC **A03**/MF **A01**

Spectroscopic and Line-Narrowing Properties of Resonant Sum and Difference Frequency Generation.
AD-A158 384/8 **25**-*557,913* PC **A02**/MF **A01**

Submillimeter-Wave Heterodyne Spectroscopy with a Compact Solid State Radiometer.
AD-A158 584/3 **25**-*558,786* PC **A02**/MF **A01**

Development of an Airborne Measuring System for Remote Sensing of Earth Surface and Atmosphere, Spectroscopic Investigations.
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Liquid Nitrogen Cooled Composite Wall Hollow Cathode.
N85-31930/9 **23**-*552,524* PC **A02**/MF **A01**

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Triplet State ODMR (Optical Detection of Magnetic Resonance) of Molecules Adsorbed to the Surfaces of Bulk Metals.
AD-A146 497/3 **01**-*501,031* Not available NTIS

Excited State Dynamics of NaF:Cu(+).
AD-A146 516/0 **01**-*501,032* PC **A02**/MF **A01**

State-Resolved Product Detection in the Overtone Vibration Initiated Unimolecular Decomposition of HOOH(6 nu sub OH).
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Phase-Dissipative Mechanisms for Laser-Induced Surface Desorption/Dissociation Processes.
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Sequential Excitation Preparation of Molecular Energy Levels with Special Structural and Chemical Properties.
AD-A150 301/0 **10**-*521,682* PC **A02**/MF **A01**

Relaxation of Large Molecules Following Ultrafast Excitation.
AD-A150 307/7 **10**-*521,683* PC **A02**/MF **A01**

Laser-Induced Molecular Dynamics: Rate Processes in the Gas Phase and at Solid Surfaces.
AD-A151 447/0 **12**-*526,723* PC **A08**/MF **A01**

Nonradiative Damping of Molecular Electronic Excited States by Metal Surfaces.
AD-A154 619/1 **18**-*540,306* PC **A03**/MF **A01**

Laser Probing of Chemical Reaction Dynamics.
AD-A155 911/1 **21**-*547,743* PC **A02**/MF **A01**

Characterization of Exit-Channel Barriers for Chemical Reactions Producing Specific Vibrational States.
AD-A157 252/8 **23**-*552,481* PC **A02**/MF **A01**

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AD-A157 276/7 **23**-*552,487* PC **A02**/MF **A01**

In Search of High J States in the HF(v, J) System.
AD-A158 937/3 **25**-*557,955* PC **A04**/MF **A01**

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Structure of 1,1'-Dimethyl-3,3,3',3',5,5,5',5'-octachlorobi(cyclotriphosphazene), N3P3Cl4CH32.
AD-A146 180/5 **01**-*501,002* PC **A02**/MF **A01**

Theoretical Studies in Molecular Fragmentation: Processes, Energetics and Diagnostics.
AD-A146 310/8 **01**-*501,013* PC **A02**/MF **A01**

Hydrogenated Linear Block Copolymers of Butadiene and Isoprene: Effects of Variation of Composition and Sequence Architecture on Properties.
AD-A147 394/1 **03**-*506,463* Not available NTIS

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AD-A147 743/9 **04**-*508,731* Not available NTIS

Synthesis, Characterization and Crystal and Molecular Structure of Tricyclopentadienylgallium(III).
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AD-A147 949/2 **04**-*508,742* PC **A03**/MF **A01**

Isomer Enumeration in Polytertiary Phosphines and Related Compounds.
AD-A148 058/1 **04**-*508,758* PC **A02**/MF **A01**

Structure, Bonding, and Internal Rotation in H3PO, H2POH, and HfPOH.
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Molecular Theory of Liquid Crystals.
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Bonding Information from Auger Spectroscopy.
AD-A150 864/7 **11**-*523,961* PC **A03**/MF **A01**

New Developments in High Temperature and High Strength Polyquinolines.
AD-A151 339/9 **12**-*527,146* Not available NTIS

Chain Dynamics and Structure Property Relation in High Impact Strength Polycarbonate Plastic.
AD-A152 011/3 **13**-*529,513* PC **A05**/MF **A01**

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Electronic Structure of Some Heteronuclear Diatomic Molecules in the Local Spin Density Approximation.
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AD-A158 529/8 **25**-*557,934* PC **A02**/MF **A01**

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N85-20140/8 **14**-*531,506* PC **A07**/MF **A01**

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Study of Catalytic Diffusion in Coal.
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PB85-206001 **19**-*542,845* Not available NTIS

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PB85-206555
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Calculation of the Electronic Structure of As4S4 and As4Se4 Molecules,
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Importance of Electron-Electron Correlation in the Calculation of Second-Order Nonlinear Optical Properties of Organic Molecules. The Case of Urea,
PB85-206696
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Determination of Molecular Structure at Surfaces Using Angle Resolved Electron and Photon-Stimulated Desorption.
PB85-222057 **21**-*547,804* Not available NTIS

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DE85016161 **26**-*560,825* PC **A04**/MF **A01**

Fuel Cell Electrode and Method of Preparation.
PAT-APPL-6-585 698 **21**-*548,080* PC **A02**/MF **A01**

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PAT-APPL-6-595 012 **21**-*548,081* PC **A02**/MF **A01**

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PAT-APPL-6-612 951 **21**-*548,083* PC **A02**/MF **A01**

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PAT-APPL-6-612 952 **21**-*548,111* PC **A02**/MF **A01**

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PAT-APPL-6-661 851 **21**-*548,087* PC **A02**/MF **A01**

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Experiment for Triggered Fragmentation with a Molten Copper-Drop in Water.
DE84751522 **05**-*512,307* PC **A07**/MF **A01**

Analysis of Long-Term Flows Resulting from Large-Scale Sodium-Water Reactions in an LMFBR Secondary System.
DE85000079 **22**-*551,186* PC **A02**/MF **A01**

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DE85000188 **09**-*520,095* PC **A02**/MF **A01**

MOLTEN SALT COAL GASIFICATION PROCESS

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DE85013798 **22**-*551,826* PC **A05**/MF **A01**

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N85-14063/0 **08**-*516,835* PC **A05**/MF **A01**

MOLTEN SALT FUELED REACTORS

Molten Salt Reactors. Synthesis of Studies Realized Between 1973 and 1983. Concept File.
DE85750025 **15**-*534,665* PC **A04**/MF **A01**

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DE85750026 **20**-*546,364* PC **A03**/MF **A01**

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DE85750027 **15**-*534,666* PC **A03**/MF **A01**

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DE85750028 **15**-*534,667* PC **A04**/MF **A01**

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DE85750029 **15**-*534,668* PC **A06**/MF **A01**

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DE85750030 **15**-*534,669* PC **A04**/MF **A01**

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DE85750031 **15**-*534,670* PC **A05**/MF **A01**

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AD-A153 012/0 **15**-*533,502* Not available NTIS

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DE84004589 **02**-*503,877* PC **A02**/MF **A01**

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DE84017138 **03**-*506,926* PC **A06**/MF **A01**

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DE85000511 **08**-*516,872* PC **A02**/MF **A01**

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DE85000534 **17**-*538,170* PC **A02**/MF **A01**

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DE85001073 **06**-*514,059* PC **A02**/MF **A01**

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DE85002911 **11**-*524,399* PC **A03**/MF **A01**

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DE85005304 **11**-*524,968* PC **A04**/MF **A01**

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DE85009873 **18**-*540,688* PC **A03**/MF **A01**

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DE85700298 **17**-*537,661* PC **A02**/MF **A01**

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DE85700584 **19**-*542,806* PC **A02**/MF **A01**

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DE85750030 **15**-*534,669* PC **A04**/MF **A01**

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N85-30135/6 **22**-*550,389* PC **A03**/MF **A01**

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DE85001554 **09**-*518,612* PC **A03**

Effect of Ammonia Accumulation on Blue Crab Shedding Success.
PB85-109064 **02**-*503,636* PC **A04**/MF **A01**

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Simple Molybdate Selective Oxidation Catalysts Containing Excess MoO sub 3 for C sub 4 Hydrocarbon Oxidation to Maleic Anhydride.
DE85004793 **11**-*523,993* PC **A09**/MF **A01**

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PAT-APPL-6-568 762 **21**-*547,772* PC **A02**/MF **A01**

Method of Distributing Liquefaction Catalysts in Solid Carbonaceous Material.
PAT-APPL-6-612 953 **21**-*549,235* PC **A02**/MF **A01**

MOLYBDENUM

New Powder Technologies for Molybdenum Alloy Gun Barrel Liners.
AD-A158 315/2 **25**-*559,375* PC **A03**/MF **A01**

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DE81700472 **20**-*544,948* PC **A03**/MF **A01**

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DE81700473 **20**-*544,949* PC **A02**/MF **A01**

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DE84005267 **02**-*504,672* PC **A03**/MF **A01**

Thermal Outgassing of Irradiated Nuclear Fuel: A Literature Review.
DE84016922 **02**-*504,807* PC **A05**/MF **A01**

Characteristic of Metallic State Properties of Mendelevium and Other Actinoids by Thermochromatography.
DE84702326 **03**-*505,870* PC **A02**/MF **A01**

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DE84702562 **01**-*501,060* PC **A05**/MF **A01**

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DE84702667 **01**-*500,907* PC **A03**/MF **A01**

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DE84702901 **09**-*518,871* PC **A02**/MF **A01**

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DE85000371 **04**-*510,461* PC **A02**/MF **A01**

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DE85000717 **04**-*510,471* PC **A03**/MF **A01**

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DE85001157 **05**-*512,571* PC **A02**/MF **A01**

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DE85001650 **07**-*514,697* PC **A02**/MF **A01**

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DE85001847 **08**-*516,348* PC **A03**/MF **A01**

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DE85002529 **08**-*517,580* PC **A06**/MF **A01**

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DE85003457 **09**-*520,274* PC **A02**/MF **A01**

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DE85003645 **09**-*518,971* PC **A03**/MF **A01**

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DE85004107 **11**-*525,704* PC **A02**/MF **A01**

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DE85004234 **11**-*523,987* PC **A02**/MF **A01**

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DE85004238 **11**-*523,988* PC **A02**/MF **A01**

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DE85005266 **11**-*524,008* PC **A02**/MF **A01**

Paramagnetic Form Factors from Itinerant Electron Theory.
DE85005272 **12**-*528,091* PC **A02**/MF **A01**

Sodium and Lithium Corrosion in Molybdenum Heat Pipes.
DE85005561 **13**-*529,471* PC **A02**/MF **A01**

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DE85005564 **12**-*526,676* PC **A02**/MF **A01**

Vibrational Frequencies and Structural Properties of Transition Metals Via Total-Energy Calculations.
DE85005625 **11**-*525,635* PC **A07**/MF **A01**

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DE85005814 **13**-*530,601* PC **A06**/MF **A01**

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DE85006064 **14**-*532,762* PC **A03**/MF **A01**

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DE85006067 **13**-*530,610* PC **A03**/MF **A01**

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DE85006529 **12**-*528,187* PC **A02**/MF **A01**

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DE85006835 **12**-*528,096* PC **A02**/MF **A01**

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DE85006968 **13**-*530,625* PC **A02**/MF **A01**

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DE85007199 **13**-*530,636* PC **A02**/MF **A01**

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DE85007321 **13**-*530,638* PC **A02**/MF **A01**

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DE85007360 **13**-*530,643* PC **A03**/MF **A01**

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DE85007547 **13**-*530,499* PC **A02**/MF **A01**

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DE85007932 **15**-*533,556* PC **A02**/MF **A01**

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DE85008418 **25**-*559,866* PC **A02**/MF **A01**

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DE85008425 **13**-*530,664* PC **A03**/MF **A01**

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DE85008897 **14**-*531,636* PC **A02**/MF **A01**

Composite-Bed Reactor for Upgrading Coal-Derived Liquids. Quarterly Report No. 6, January 1-March 31, 1985.
DE85009738 **18**-*541,951* PC **A02**/MF **A01**

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DE85009898 **19**-*544,358* PC **A02**/MF **A01**

Hydrolysis, Formation and Ionization Constants at 25 deg C, and at High Temperature-High Ionic Strength.
DE85010645 **18**-*541,548* PC **A17**/MF **A01**

New and Improved Dispersion and Recovery Techniques for Slurry Phase Catalysis. Quarterly Report, October-December 1984.
DE85011811 **20**-*547,072* PC **A06**/MF **A01**

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DE85012825 **20**-*547,095* PC **A02**/MF **A01**

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DE85012872 **20**-*547,097* PC **A08**/MF **A01**

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DE85013127 **21**-*549,207* PC **A02**/MF **A01**

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DE85013189 **21**-*547,766* PC **A03**/MF **A01**

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DE85013355 **23**-*554,394* PC **A04**/MF **A01**

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DE85013392 **23**-*554,397* PC **A04**/MF **A01**

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DE85014350 **23**-*554,458* PC **A03**/MF **A01**

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DE85014430 **24**-*557,120* PC **A07**/MF **A01**

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DE85014441 **24**-*555,753* MF **A01**

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DE85014442 **24**-*555,754* PC **A02**/MF **A01**

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DE85014443 **22**-*551,780* PC **A02**/MF **A01**

Metallic Multilayers and Superlattices.
DE85014444 **24**-*555,755* PC **A02**/MF **A01**

Composite-Bed Reactor for Upgrading Coal-Derived Liquids. Quarterly Report No. 7, April 1-June 30, 1985.
DE85014721 **24**-*557,128* PC **A02**/MF **A01**

Catalytic Hydrotreatment Studies with Model Compounds. Quarterly Report, April 1-June 30, 1985.
DE85014937 **24**-*557,136* PC **A02**/MF **A01**

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DE85016030 **24**-*555,778* PC **A12**/MF **A01**

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DE85016807 **26**-*561,999* PC **A05**/MF **A01**

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DE85017087 **26**-*560,932* PC **A02**/MF **A01**

Impurity Diffusion of Antimony in Molybdenum.
DE85700707 **22**-*550,450* PC **A02**/MF **A01**

Measurements of Total Cross Sections of Molybdenum and Cadmium in the 20-1100 KeV Range on Neutron Filtered Beam.
DE85701850 **26**-*561,835* PC **A02**/MF **A01**

Spectrographic Analysis of Stainless Steels.
DE85701940 **26**-*560,940* PC **A02**/MF **A01**

Influence of an Uniaxial Stress on Point Defects.
DE85750022 **17**-*539,274* PC **A09**/MF **A01**

Molten Salt Reactors. Synthesis of Studies Realized Between 1973 and 1983. Metallic Materials File.
DE85750028 **15**-*534,667* PC **A04**/MF **A01**

High-Temperature Vapor Pressures of Stainless Steel Type 1.4970 and of Some Other Pure Metals from Laser Evaporation.
DE85750764 **17**-*538,252* PC **A03**/MF **A01**

Radiation Damage in Molybdenum by Use of a High Voltage Electron Microscope.
DE85780038 **10**-*522,125* PC **A06**/MF **A01**

Method of Neutron Activation Analysis to Determine the Concentration of Alloy Elements in Steels.
DE85780379 **17**-*537,672* PC **A05**/MF **A01**

Retention and Thermic Desorption of Molybdate Anions on Inorganic Exchangers.
DE85780754 **17**-*537,686* PC **A03**/MF **A01**

Utilization of Epithermal Neutrons for the Determination of Molybdenum in the Presence of Uranium.
DE85781063 **25**-*557,994* PC **A07**/MF **A01**

Procedure for the Hydrodesulphurisation of a Gas Containing Oxygen and Organic Sulphur Compounds.
DE85902060 **26**-*562,042* PC **A02**/MF **A01**

Development of Metallization Process. FSA Project, Cell and Module Formation Research Area.
N84-34030/6 **01**-*501,466* PC **A02**/MF **A01**

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N85-12695/1 **06**-*513,993* PC **A04**/MF **A01**

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PB85-195105 **17**-*537,705* PC **E03**/MF **E01**

Optical Properties of Ion Beam Irradiated Molybdenum Laser Mirrors as Studied by Ellipsometry.
PB85-206746
19-*544,028*
(Order as PB85-206324, PC **A13**/MF **A01**)

Development of Engineering and Cost Data for Foreign Columbium, Tantalum, Mercury, and Molybdenum Properties.
PB85-215325 **21**-*547,867* PC **A02**/MF **A01**

Electrical Resistivity of Selected Elements,
PB85-219855 **20**-*547,003* Not available NTIS

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Neutrinoless Double beta Decay. Annual Progress Report, January 1, 1984-December 31, 1984.
DE84017424 **03**-*507,403* PC **A02**/MF **A01**

Double beta Decay of Molybdenum 100. Annual Progress Report, January 1, 1985-December 31, 1985.
DE85015753 **25**-*559,544* PC **A02**/MF **A01**

MOLYBDENUM 100 TARGET

Computer Calculation of Neutron Cross Sections with Hauser-Feshbach Code STAPRE Incorporating the Hybrid Pre-Compound Emission Model. Final Report for the Period 1 December 1981-30 June 1983.
DE84702645 **03**-*507,559* PC **A05**/MF **A01**

MOLYBDENUM 92 REACTIONS

Diabatic Emission of Neutrons: A Probe for the Energy-Dissipation Mechanism in Nucleus-Nucleus Collisions.
DE84752245 **11**-*525,433* PC **A02**/MF **A01**

Sup 92 Mo+ sup 92 Mo Reaction at 14.7 MeV/U: Approaching the Limits of the Classical Deep-Inelastic Process.
DE84752336 **10**-*523,001* PC **A02**/MF **A01**

Reaction Mechanisms in the Collision of sup 92 Mo on sup 92 Mo at an Incident Energy of 14.7 MeV/Nucleon.
DE85750292 **15**-*534,899* PC **A06**/MF **A01**

MOLYBDENUM 92 TARGET

Computer Calculation of Neutron Cross Sections with Hauser-Feshbach Code STAPRE Incorporating the Hybrid Pre-Compound Emission Model. Final Report for the Period 1 December 1981-30 June 1983.
DE84702645 **03**-*507,559* PC **A05**/MF **A01**

Spectroscopy of Direct and beta -Delayed Proton 'Northwest' of sup 146 Gd.
DE84752244 **15**-*534,845* PC **A02**/MF **A01**

Diabatic Emission of Neutrons: A Probe for the Energy-Dissipation Mechanism in Nucleus-Nucleus Collisions.
DE84752245 **11**-*525,433* PC **A02**/MF **A01**

Sup 92 Mo+ sup 92 Mo Reaction at 14.7 MeV/U: Approaching the Limits of the Classical Deep-Inelastic Process.
DE84752336 **10**-*523,001* PC **A02**/MF **A01**

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DE85750292 **15**-*534,899* PC **A06**/MF **A01**

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DE85751888 **26**-*561,849* PC **A05**/MF **A01**

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DE85780657 **15**-*534,996* PC **A08**/MF **A01**

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DE84702645 **03**-*507,559* PC **A05**/MF **A01**

MOLYBDENUM 96 TARGET

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MOLYBDENUM 97 TARGET

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DE85701109 **23**-*553,963* PC **A03**/MF **A01**

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DE85701330 **25**-*558,951* PC **A02**/MF **A01**

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PB85-225381 **22**-*551,075* PC **E04**/MF **E01**

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DE85016030 **24**-*555,778* PC **A12**/MF **A01**

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DE85009227 **16**-*536,932* PC **A04**/MF **A01**

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DE85002613 **07**-*514,698* PC **A02**/MF **A01**

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AD-A157 507/5 **23**-*552,803* PC **A02**/MF **A01**

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DE85750105 **11**-*525,572* PC **A05**/MF **A01**

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AD-A152 769/6 **15**-*533,859* PC **A02**/MF **A01**

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AD-A148 689/3 **06**-*513,970* PC **A06**/MF **A01**

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PB85-109601 **02**-*503,667* PC **A02**/MF **A01**

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PB85-242931 **26**-*560,531* PC **A07**/MF **A01**

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AD-A148 391/6 **05**-*511,141* PC **A02**/MF **A01**

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PB85-237717 **24**-*556,047* PC **A06**/MF **A01**

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PAT-APPL-6-622 370 **02**-*504,414* PC **A02**/MF **A01**

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PATENT-4 523 198 **26**-*560,733* Not available NTIS

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PAT-APPL-6-654 926 **08**-*516,643* PC **A03**/MF **A01**

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Lampedusa Multi-Stage-Flash Desalination Plant Adopting Solar Energy as Primary Energy Source (Impianto di Dissalazione con Distillazione a Stadi Multipli ad Energia Solare Come Fonte Primaria di Energia a Lampedusa).
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Experimental Study on the Induced Normal Force on Tail-Fins Due to Wing-Tail Interference.
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Implementing Linear Multistep Formulas for Solving DAES.
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Design of Multivariable Feedback Control Systems Via Spectral Assignment Using Reduced-Order Models and Reduced-Order Observers.
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Log Linear Model Applications.
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Tail Behaviour for Suprema of Empirical Processes.
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DE84780505 **01**-*502,170* PC **A12**/MF **A01**

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Stretch-Induced Growth in Chicken Wing Muscles. A New Model of Stretch Hypertrophy.
AD-A145 931/2 **01**-*500,585* PC **A02**/MF **A01**

Advanced Development of an Active Neuromusculature Response to Mechanical Stress.
AD-A148 436/9 **05**-*511,129* PC **A04**/MF **A01**

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MUSCLES

Stretch-Induced Growth in Chicken Wing Muscles. A New Model of Stretch Hypertrophy.
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AD-A157 365/8 **23**-*553,386* PC **A08**/MF **A01**

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AD-P004 753/0 **21**-*548,540* PC **A02**/MF **A01**

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PB85-151876
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PB85-225878 **22**-*549,753* PC **A02**/MF **A01**

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AD-A146 943/6 **02**-*503,465* PC **A04**/MF **A01**

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AD-A150 403/4 **10**-*521,646* PC **A02**/MF **A01**

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AD-A155 589/5 **19**-*543,722* PC **A02**/MF **A01**

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AD-B061 487/5 **21**-*548,723* PC **A16**/MF **A01**

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PB85-122703 **04**-*508,460* PC **A03**/MF **A01**

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PB85-220085 **21**-*547,505* PC **A99**/MF **A01**

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DE85013640 **24**-*555,221* PC **A02**/MF **A01**

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DE85014999 **24**-*555,228* PC **A02**/MF **A01**

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DE85016062 **26**-*560,418* PC **A02**/MF **A01**

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DE85770217 **20**-*544,901* PC **A08**/MF **A01**

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PAT-APPL-6-623 923 **03**-*505,785* PC **A02**/MF **A01**

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PB85-160455 **11**-*523,916* PC **A03**/MF **A01**

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PB85-214351 **20**-*544,910* Not available NTIS

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PB85-244473 **24**-*555,244* Not available NTIS

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AD-A155 040/9 **18**-*540,238* PC **A02**/MF **A01**

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PB85-249837 **26**-*560,388* Not available NTIS

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AD-A148 004/5 **04**-*508,673* PC **A02**/MF **A01**

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AD-A148 373/4 **05**-*511,147* PC **A02**/MF **A01**

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AD-A152 110/3 **13**-*528,667* PC **A11**/MF **A01**

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AD-A155 040/9 **18**-*540,238* PC **A02**/MF **A01**

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AD-P004 961/9 **24**-*555,176* PC **A03**/MF **A01**

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DE85004431 **08**-*516,331* PC **A02**/MF **A01**

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PB85-125474 **05**-*511,841* PC **A10**/MF **A01**

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PB85-151306 **09**-*518,802* Not available NTIS

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PB85-157444 **10**-*521,652* PC **A03**/MF **A01**

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PB85-163251 **11**-*524,664* PC **A02**/MF **A01**

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PB85-170991 **13**-*528,673* PC **A03**/MF **A01**

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PB85-193480 **18**-*540,244* Not available NTIS

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PB85-193738 **16**-*535,785* Not available NTIS

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PB85-193761 **16**-*535,786* PC **A09**/MF **A01**

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PB85-193969 **16**-*535,787* PC **A02**/MF **A01**

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PB85-198893 **18**-*540,175* Not available NTIS

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PB85-218857 **21**-*547,719* PC **A02**/MF **A01**

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PB85-218865 **21**-*548,569* PC **A03**/MF **A01**

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DE85780042 **10**-*521,633* PC **A07**/MF **A01**

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PB85-187128 **15**-*532,950* PC **E03**/MF **E03**

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DE85016353 **26**-*560,419* PC **A02**/MF **A01**

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AD-A149 988/8 **09**-*520,171* PC **A03**/MF **A01**

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AD-A156 607/4 **22**-*551,659* PC **A02**/MF **A01**

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AD-A157 375/7 **23**-*553,754* PC **A03**/MF **A01**

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AD-A158 549/6 **25**-*557,600* PC **A02**/MF **A01**

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DE85780166 **15**-*533,256* PC **A06**/MF **A01**

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DE85780478 **15**-*533,303* PC **A06**/MF **A01**

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PB85-109163 **02**-*503,349* PC **A05**/MF **A01**

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PB85-157426 **10**-*521,544* PC **A02**/MF **A01**

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PB85-163632 **11**-*523,747* PC **A06**/MF **A01**

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AD-A149 136/4 **08**-*516,176* PC **A02**/MF **A01**

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DE85780168 **11**-*523,727* PC **A04**/MF **A01**

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DE85780174 **10**-*521,498* PC **A05**/MF **A01**

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DE85780177 **10**-*521,501* PC **A06**/MF **A01**

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DE85780581 **15**-*533,306* PC **A05**/MF **A01**

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N85-26115/4 **18**-*540,084* PC **A03**/MF **A01**

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PB85-151918
10-*521,780*
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AD-A156 720/5 **22**-*549,978* PC **A09**/MF **A01**

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PB85-198844 **18**-*540,409* Not available NTIS

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PB85-110690 **01**-*501,199* PC **A08**/MF **A01**

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N-1470 RESONANCES

Center of Mass Motion in the Bag Model and Roper Resonance.
DE85900968 **21**-*549,116* PC **A02**/MF **A01**

N-1990 RESONANCES

Diffractive Production of a Narrow Baryon in Neutron-Carbon Interactions.
DE84703384 **09**-*520,394* PC **A02**/MF **A01**

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DE85008400 **13**-*530,137* PC **A04**/MF **A01**

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PB85-171395 **13**-*528,882* PC **A02**/MF **A01**

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Phased Usage of Training Simulator for Nuclear Power Plant.
DE84017108 **09**-*520,151* PC **A02**/MF **A01**

Simulation of a Plant Minicomputer in Reactor Control Room Simulator.
DE85008434 **17**-*539,089* PC **A02**/MF **A01**

Use of Standard Computer Terminal for the Instructor Console on a Real-Time Nuclear Reactor Training Simulator.
DE85008435 **17**-*539,090* PC **A02**/MF **A01**

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DE85008436 **24**-*556,539* PC **A02**/MF **A01**

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DE85008899 **15**-*534,700* PC **A05**/MF **A01**

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DE85011701 **24**-*556,540* PC **A02**/MF **A01**

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DE85011702 **22**-*551,203* PC **A02**/MF **A01**

Development of a Pressurizer Level Compensator for Use on N Reactor.
DE85015171 **25**-*559,236* PC **A08**/MF **A01**

On-Line Temperature Sensor.
PAT-APPL-6-635 022 **21**-*548,974* PC **A02**/MF **A01**

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Delta -Isobar Excitation in Carbon Nuclei in Charge-Exchange Reaction (Sup 3 He,T) at 4.4-10.7 GeV/C.
DE84702309 **03**-*507,513* PC **A02**/MF **A01**

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DE84702432 **01**-*502,487* PC **A03**/MF **A01**

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DE85016842 **26**-*561,802* PC **A03**/MF **A01**

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DE85751290 **20**-*546,762* PC **A02**/MF **A01**

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AD-A153 180/5 **15**-*533,210* PC **A08**/MF **A01**

Progress Research of Non-CZ Silicon Material.
N84-34021/5 **01**-*501,459* PC **A02**/MF **A01**

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N85-27699/6 **19**-*544,298* PC **A03**/MF **A01**

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PB85-235182 **23**-*552,296* PC **A03**/MF **A01**

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Energy Efficient Engine ICLS Nacelle Detail Design Report.
N85-10993/2 **04**-*510,530* PC **A06**/MF **A01**

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N85-15716/2 **10**-*520,947* PC **A17**/MF **A01**

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N85-23706/3 **17**-*537,005* PC **A03**/MF **A01**

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N85-29928/7 **22**-*549,308* PC **A03**/MF **A01**

Calculation of Transonic Flows around an Aircraft Configuration with Motorized Nacelle.
N85-31008/4 **23**-*551,875* PC **A02**

Experimental Investigation of Propfan Installations on an Upswept Supercritical Wing at Transonic Mach Numbers.
N85-31013/4 **23**-*551,880* PC **A10**/MF **A01**

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N85-31046/4 **23**-*551,919* PC **A03**/MF **A01**

Over the Wing Propeller.
PAT-APPL-6-661 478 **13**-*528,323* PC **A02**/MF **A01**

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PB85-148781 **08**-*515,735* PC **E03**/MF **E03**

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DE84703532 **09**-*520,253* PC **A12**/MF **A01**

Specification for Switching Magnets Type S30, S45 and S60.
DE85700405 **15**-*534,816* PC **A02**/MF **A01**

Specification for Double Monochromator Dipole Magnets, Type D90.
DE85700406 **15**-*534,817* PC **A02**/MF **A01**

Design Considerations for the Second Septum Magnet (SPM2) of the Separated Sector Cyclotron (SSC).
DE85700921 **20**-*546,558* PC **A02**/MF **A01**

Comparison of Calculated and Measured Results for the Cooling of a Prototype Single Turn of the Second Septum Magnet (SPM2) in the SSC.
DE85700927 **20**-*546,564* PC **A02**/MF **A01**

Maximum Magnetic and Electrostatic Field Requirements for Injection and Extraction Components of the SSC.
DE85700928 **20**-*546,565* PC **A02**/MF **A01**

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Excited-State Dynamics of NADH and 1-N-Propyl-1,4-Dihydronicotinamide.
DE84016002 **02**-*503,539* PC **A02**/MF **A01**

NADIMIDE

Chemical Control of Nadimide Cure Temperature and Rate.
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AD-A147 507/8 **03**-*505,655* PC **A02**/MF **A01**

Pilus Vaccines.
AD-A155 075/5 **18**-*540,181* PC **A02**/MF **A01**

NEISSERIA MENINGITIDIS

Detection of Neisseria meningitidis Group A, Haemophilus influenzae Type b, and Streptococcus pneumoniae Antigens in Cerebrospinal Fluid Specimens by Antigen Capture Enzyme-Linked Immunosorbent Assays.
AD-A146 225/8 **01**-*500,796* Not available NTIS

Heterogeneity of Molecular Size and Antigenic Expression within Lipooligosaccharides of Individual Strains of Neisseria gonorrhoeae and Neisseria meningitidis.
AD-A147 507/8 **03**-*505,655* PC **A02**/MF **A01**

Use of the Directigen Latex Agglutination Test for Detection of Haemophilus influenzae, Streptococcus pneumoniae, and Neisseria meningitidis Antigens in Cerebrospinal Fluid from Meningitis Patients.
AD-A148 806/3 **06**-*513,047* Not available NTIS

Monoclonal Antibodies to Serotype 2 and Serotype 15 Outer Membrane Proteins of Neisseria meningitidis and Their Use in Serotyping.
AD-A148 970/7 **07**-*514,581* PC **A02**/MF **A01**

Recognition of Serogroup A Neisseria meningitidis Serotype Antigens by Human Antisera.
AD-A155 512/7 **19**-*542,545* Not available NTIS

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23-*552,605*
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PB85-107837 **02**-*503,261* PC **A02**/MF **A01**

NEMATODA

Biology, Identification and Control of Root-Knot Nematodes ('Meloidogyne' species),
PB85-113645 **02**-*503,277* PC **A06**/MF **A01**

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PB85-201143 **18**-*540,040* PC **A15**/MF **A01**

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PB85-218626 **20**-*544,778* PC **A99**/MF **A01**

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PB85-223378 **22**-*549,747* PC **A21**/MF **A01**

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Community Structure and Estimated Contribution of Primary Consumers (Nematodes and Copepods) of Decomposing Plant Litter (Juncus Roemerianus and Rhizophora Mangle) in South Florida.
DE85004339 **09**-*518,956* PC **A03**/MF **A01**

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Comet Showers and Nemesis, the Death Star.
DE85003736 **11**-*523,351* PC **A02**/MF **A01**

NEOCLASSICAL TRANSPORT THEORY

Toroidal Viscosity and Ambipolarity in the Neoclassical Transport Theory of Axisymmetric Tori.
DE85010622 **18**-*541,471* PC **A04**/MF **A01**

Experimental Study of Neoclassical Currents.
DE85014866 **22**-*551,693* PC **A03**/MF **A01**

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DE85701302 **25**-*559,696* PC **A02**/MF **A01**

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DE85701303 **25**-*559,697* PC **A02**/MF **A01**

NEODYMIUM

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AD-A147 333/9 **03**-*505,829* Not available NTIS

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DE84005267 **02**-*504,672* PC **A03**/MF **A01**

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DE85006924 **13**-*530,416* PC **A02**/MF **A01**

Platinum Overlay Technique for Single Carbonized Rhenium Filaments.
DE85014015 **23**-*552,583* PC **A02**/MF **A01**

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DE85014445 **22**-*551,781* PC **A02**/MF **A01**

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DE85009319 **18**-*541,744* PC **A02**

NEODYMIUM 143 TARGET

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DE84702453 **01**-*502,504* PC **A02**/MF **A01**

NEODYMIUM 144

Description of G/Ant Multipole Resonances in Spherical Nuclei.
DE84703372 **09**-*520,383* PC **A02**/MF **A01**

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DE85014218 **24**-*556,819* PC **A02**/MF **A01**

Level Scheme of sup 144 Nd from the (n,2 gamma) Reaction.
DE85701851 **26**-*561,836* PC **A02**/MF **A01**

NEODYMIUM 145

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

NEODYMIUM 148

Radiochemistry Programme (Reactor Research Centre, Kalpakkam, India). Progress Report, 1980-1981.
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NEODYMIUM 150 TARGET

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DE85009319 **18**-*541,744* PC **A02**

NEODYMIUM ALLOYS

Effect of Fe Substitution on the Magnetic Characteristics of Some Rni5 Alloys (R = Pr and Nd).
AD-A157 882/2 **24**-*557,007* PC **A02**/MF **A01**

NEODYMIUM COMPOUNDS

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NEODYMIUM FLUORIDES

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DE85008381 **15**-*533,557* PC **A02**/MF **A01**

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DE85701748 **25**-*559,812* PC **A02**/MF **A01**

NEODYMIUM HYDROXIDES

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DE85015020 **24**-*555,323* PC **A08**/MF **A01**

NEODYMIUM IONS

Free-Ion Spectra of Interest to Solid and Solution Spectroscopists.
DE85007769 **13**-*528,984* PC **A02**/MF **A01**

NEODYMIUM ISOTOPES

Neutron Cross Sections at 14 MeV.
DE83704519 **09**-*520,302* PC **A03**/MF **A01**

Low-Lying 1 exp - States in Spherical Nuclei.
DE84702300 **03**-*507,504* PC **A02**/MF **A01**

NEODYMIUM LASERS

Design and Construction of a CW ND:YAG Laser Using a Single Elliptical Cavity and Water Cooled Krypton Arc Lamp Pumping.
AD-A152 657/3 **14**-*532,593* PC **A04**/MF **A01**

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AD-A154 366/9 **17**-*539,318* PC **A05**/MF **A01**

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DE84017164 **03**-*506,062* PC **A02**/MF **A01**

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DE84702618 **09**-*520,581* PC **A02**/MF **A01**

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DE85012962 **22**-*551,312* PC **A06**/MF **A01**

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DE85014412 **22**-*551,046* PC **A02**/MF **A01**

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DE85014415 **22**-*551,048* PC **A02**/MF **A01**

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NEODYMIUM NICKEL

Effect of Fe Substitution on the Magnetic Characteristics of Some Rni5 Alloys (R = Pr and Nd).
AD-A157 882/2 **24**-*557,007* PC **A02**/MF **A01**

NEODYMIUM OXIDES

Synthesis and Crystal-Chemistry of BaNd2Ti3O10, BaNd2Ti5O14, and Nd4Ti9O24.
PB85-104701 **01**-*501,104* Not available NTIS

NEODYMIUM SULFIDES

Mechanistic Study of the Hydrodesulfurization of Methanethiol over Tungsten Disulfide; a Survey of Rare Earth Sulfides for Hydrodesulfurization Activity.
DE85011758 **21**-*547,759* PC **A06**/MF **A01**

NEODYMIUM TITANATES

Synthesis and Crystal-Chemistry of BaNd2Ti3O10, BaNd2Ti5O14, and Nd4Ti9O24.
PB85-104701 **01**-*501,104* Not available NTIS

NEODYMIUM YAG LASERS

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AD-A145 920/5 **01**-*500,975* Not available NTIS

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AD-A147 266/1 **03**-*507,626* Not available NTIS

Associative Ionization of Neon and Helium Atoms by Collisions of Excited Helium (3 exp 1 p) Atoms of Thermal Energies.
DE82780021 **20**-*544,954* PC **A06**/MF **A01**

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DE84015976 **01**-*502,632* PC **A02**/MF **A01**

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DE84016395 **02**-*504,919* PC **A02**/MF **A01**

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DE84016564 **02**-*503,547* PC **A02**/MF **A01**

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DE84702310 **03**-*507,514* PC **A02**/MF **A01**

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DE84780486 **01**-*501,086* PC **A08**/MF **A01**

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DE85003083 **08**-*516,411* PC **A02**/MF **A01**

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DE85003107 **08**-*516,412* PC **A02**/MF **A01**

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DE85004443 **11**-*523,989* PC **A02**/MF **A01**

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DE85011347 **21**-*549,032* PC **A02**/MF **A01**

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DE85016449 **26**-*560,482* PC **A02**/MF **A01**

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DE85700039 **09**-*518,927* PC **A02**/MF **A01**

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DE85700819 **18**-*541,800* PC **A02**/MF **A01**

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DE85701742 **25**-*557,983* PC **A07**/MF **A01**

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DE85751935 **25**-*559,621* PC **A08**/MF **A01**

Beam Experiments with State Selected Ne (sup 3 P sub 0 , sup 3 P sub 2) Metastable Atoms.
DE85780640 **17**-*537,683* PC **A09**/MF **A01**

Study of Interference Effects in Na(3S,3P)-Ne, Ar Scattering Experiments at High Angular Resolution.
DE85781537 **25**-*558,004* PC **A06**/MF **A01**

Measurement of Ionization Rates of Ti IX, Ne VI, Ne VII and O VI.
PB85-184653 **15**-*533,609* Not available NTIS

NEON 18

First Forbidden beta Decay in Light Nuclei.
DE85007284 **13**-*530,429* PC **A02**/MF **A01**

NEON 19

First Forbidden beta Decay in Light Nuclei.
DE85007284 **13**-*530,429* PC **A02**/MF **A01**

Hyperfine Field on sup 19 Ne in Fe.
DE85700829 **18**-*541,893* PC **A02**/MF **A01**

NEON 20

Polarization Mechanism of Parity Nonconservation in Light Muonic Atoms. To the Problem of Weak Neutral Muon-Nucleon Interaction Observation.
DE84703231 **09**-*520,350* PC **A04**/MF **A01**

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DE85014402 **22**-*550,011* PC **A03**/MF **A01**

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DE85751161 **25**-*559,606* PC **A02**/MF **A01**

(20)Ne Interaction in Extended Matter.
N85-16728/6 **10**-*523,033* PC **A02**/MF **A01**

NEON 20 BEAMS

Experiments with Light Ions at the CERN Super Proton Synchrotron.
DE85007625 **13**-*530,372* PC **A02**/MF **A01**

NEON 20 REACTIONS

Studies of Heavy Ion Reactions and Transuranic Nuclei. Progress Report, August 1, 1983-August 31, 1984.
DE84016629 **02**-*504,974* PC **A21**/MF **A01**

Microscopic Model of Relativistic Nuclei Collisions with Account of Nucleon-Nucleon Potential Interaction.
DE84702285 **03**-*507,490* PC **A03**/MF **A01**

New Developments in the Application of Gas-Jet and on-Line Chemistry Techniques to Heavy Ion Reactions with Exotic Targets.
DE84752097 **09**-*520,257* PC **A02**/MF **A01**

Study of Transfer and Breakup Reactions with the Plastic Box.
DE85000626 **06**-*514,147* PC **A02**/MF **A01**

Coplanarity of Two-Proton Emissions in 400 MeV/Nucleon Ne + NaF, Pb Reactions.
DE85006590 **13**-*530,397* PC **A02**/MF **A01**

Study of Transfer and Breakup Reactions with the Plastic Box.
DE85007471 **13**-*530,433* PC **A02**/MF **A01**

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DE85700555 **18**-*541,774* PC **A02**/MF **A01**

Subthreshold Pion Production: Nucleon-Nucleon Single Collisions Vs. Co-Operative Mechanisms.
DE85750093 **11**-*525,500* PC **A03**/MF **A01**

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DE85781459 **25**-*559,663* PC **A06**/MF **A01**

NEON 20 TARGET

Microscopic Model of Relativistic Nuclei Collisions with Account of Nucleon-Nucleon Potential Interaction.
DE84702285 **03**-*507,490* PC **A03**/MF **A01**

Analyses of Electron and Proton Scattering to Low Excitation Isoscalar States in sup 20 Ne, sup 24 Mg and sup 28 Si.
DE84703119 **08**-*517,935* PC **A03**/MF **A01**

Ratio of the X-Distributions for Antineutrino Interactions in Neon and Deuterium.
DE85701771 **25**-*559,571* PC **A02**/MF **A01**

Direct Measurements of Heavy Ion Reaction Cross Sections.
DE85750663 **15**-*534,941* PC **A02**/MF **A01**

Search for a Possible Systematic Trend of Optical Model Parameters from 800 MeV Polarized Protons Elastic Scattering on Light Nuclei.
DE85751212 **25**-*559,619* PC **A02**/MF **A01**

Optical-Model Analysis for 800 MeV Polarized Proton Elastic Scattering from sup 12 C, sup 16 O, sup 18 O, sup 20 Ne and sup 24 Mg, sup 26 Mg.
DE85751236 **24**-*556,865* PC **A02**/MF **A01**

NEON 21

Polarization Mechanism of Parity Nonconservation in Light Muonic Atoms. To the Problem of Weak Neutral Muon-Nucleon Interaction Observation.
DE84703231 **09**-*520,350* PC **A04**/MF **A01**

NEON 22

Yrast and High Spin States in sup 22 Ne.
DE85700577 **18**-*541,795* PC **A04**/MF **A01**

NEON 22 REACTIONS

Measurement of Recoil Range of Heavy Actinides Produced in Multinucleon Transfer Reactions Induced by sup 22 Ne Ions.
DE85700876 **20**-*546,732* PC **A02**/MF **A01**

Free Path Length of Neon-22 Fragments in Photoemulsion at 4.1 A GeV/C Momentum and Anomalon Problem.
DE85701845 **26**-*561,830* PC **A02**/MF **A01**

NEON 25

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

NEON 26

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

NEON IODIDES

Beam Experiments with State Selected Ne (sup 3 P sub 0 , sup 3 P sub 2) Metastable Atoms.
DE85780640 **17**-*537,683* PC **A09**/MF **A01**

NEON IONS

Influences of Thermal Spikes in Ion Beam Mixing.
DE85006130 **11**-*525,636* PC **A02**/MF **A01**

X-Ray Emission in Heavy Ion Collisions. Progress Report, January 1, 1984-February 1, 1985.
DE85009321 **15**-*534,866* PC **A02**/MF **A01**

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DE85700818 **18**-*540,345* PC **A02**/MF **A01**

NEON PLASMA

Experimental and Theoretical Studies of Optogalvanic Effects in Neon Discharges.
AD-A150 884/5 **11**-*525,509* PC **A02**/MF **A01**

NEONATALOGY

Zinc, Copper, and Manganese Deficiencies in Prenatal and Neonatal Development, with Special Reference to the Central Nervous System,
PB85-157394 **10**-*521,614* PC **A04**/MF **A01**

NEONATOLOGY

Effects of Prenatal Irradiation with Special Emphasis on Late Effects. EULEP (European Late Effects Project Group) Symposium Held at Bordeaux, France on 29 July 1982,
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NEOPLASM METASTASIS

Role of Air Pollutants in Facilitation of Cancer Cell Metastasis.
PB85-193142 **16**-*535,784* PC **A04**/MF **A01**

NEOPLASM TRANSPLANTATION

Study of the Target Specificity of Ethylnitrosourea in Transplacental Carcinogenesis in Rats (CD Fischer) vs. Mice ('Mus musculus').
PB85-171015 **13**-*528,881* PC **A02**/MF **A01**

NEOPLASMS

Cellular Biochemistry and Cytogenetics in a Rat Lung Tumor Model.
AD-A147 175/4 **02**-*503,298* PC **A02**/MF **A01**

Cell Cycle-Dependent Intervention by Benzamide of Carcinogen-Induced Neoplastic Transformation and in vitro (poly(ADP-ribosyl)ation of Nuclear Proteins in Human Fibroblasts.
AD-A148 002/9 **04**-*508,672* PC **A02**/MF **A01**

Mammary Carcinoma with Metastasis in a Rhesus Monkey (Macaca mulatta).
AD-A148 230/6 **05**-*511,011* PC **A02**/MF **A01**

Alterations in tRNA Metabolism as Markers of Neoplastic Transformation.
AD-A148 346/0 **05**-*510,966* PC **A02**/MF **A01**

Squamous Cell Carcinoma with Metastasis in a Rhesus Monkey (Macaca mulatta).
AD-A148 869/1 **07**-*514,578* PC **A02**/MF **A01**

Glomangiomas in Four Irradiated Macaca mulatta.
AD-A149 807/0 **09**-*518,628* PC **A02**/MF **A01**

Adenocarcinoma of the Small Intestine in Two Rhesus Monkeys.
AD-A150 373/9 **10**-*521,615* PC **A02**/MF **A01**

Three Image Experts which help Distinguish Lung Tumors from Non-Tumors.
AD-A150 646/8 **11**-*523,704* PC **A02**/MF **A01**

Design, Tuning and Performance Evaluation of an Automated Pulmonary Nodule Detection System.
AD-A150 940/5 **11**-*523,709* PC **A05**/MF **A01**

Chemical Carcinogen-Induced Changes in tRNA Metabolism in Human Cells.
AD-A150 962/9 **11**-*523,903* PC **A07**/MF **A01**

A Seminoma and a Leiomyosarcoma in an Albino African Lungfish (Protopterus dolloi).
AD-A153 820/6 **16**-*535,665* PC **A02**/MF **A01**

Linear Rank Procedures on Litter-Matched Data.
AD-A154 801/5 **18**-*540,058* PC **A02**/MF **A01**

Seventeen-Year Mortality Experience of Proton Radiation in Macaca mulatta.
AD-A155 052/4 **18**-*540,195* PC **A02**/MF **A01**

Spontaneous Transitional Cell Carcinoma in the Urinary Bladder of a Strain 13 Guinea Pig.
AD-A155 645/5 **19**-*542,549* PC **A02**/MF **A01**

Carcinogenesis of Nitrated Toluenes and Benzenes Skin and Lung Tumor Assays in Mice.
AD-A155 723/0 **19**-*542,755* PC **A03**/MF **A01**

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AD-A156 772/6 **22**-*549,774* PC **A02**/MF **A01**

Paralysis Due to a Glomangioma in a Macaca mulatta.
AD-A157 036/5 **22**-*549,794* PC **A02**/MF **A01**

Sensitive Detection of Neuroblastoma Cells in Bone Marrow for Monitoring the Efficacy of Marrow Purging Procedures.
AD-A157 610/7 **23**-*552,270* PC **A02**/MF **A01**

Development of Advanced Methods for Early Detection of Lung Cancer in the Uranium Miner/Worker Population.
DE84015619 **01**-*500,903* PC **A03**/MF **A01**

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DE84015945 **01**-*500,654* PC **A02**/MF **A01**

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DE85003974 **09**-*518,782* PC **A02**/MF **A01**

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PB85-192946 **16**-*535,779* PC **A02**/MF **A01**

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PB85-204188 **18**-*539,980* PC **A05**/MF **A01**

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N85-26109/7 **18**-*540,191* PC **A02**/MF **A01**

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DE84017091 **02**-*504,606* PC **A02**/MF **A01**

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DE84700657 **03**-*506,943* PC **A03**/MF **A01**

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DE84703487 **10**-*522,605* PC **A03**/MF **A01**

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DE85005343 **11**-*525,539* PC **A02**/MF **A01**

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DE85000861 **06**-*514,198* PC **A02**/MF **A01**

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DE85002531 **08**-*517,412* PC **A02**/MF **A01**

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DE85004125 **12**-*527,683* PC **A02**/MF **A01**

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DE85004128 **10**-*522,611* PC **A02**

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DE85007257 **13**-*529,991* PC **A02**/MF **A01**

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DE85010640 **19**-*543,796* PC **A02**/MF **A01**

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DE85013317 **22**-*551,014* PC **A04**/MF **A01**

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DE85015747 **25**-*559,543* PC **A03**/MF **A01**

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PAT-APPL-6-574 503 **21**-*548,834* PC **A02**/MF **A01**

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PAT-APPL-6-617 197 **21**-*548,837* PC **A02**/MF **A01**

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N84-34270/8 **01**-*502,566* PC **A03**/MF **A01**

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DE85900496 **22**-*551,638* PC **A03**/MF **A01**

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DE85750775 **17**-*539,430* PC **A09**/MF **A01**

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DE85012031 **22**-*550,873* PC **A02**/MF **A01**

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N85-12675/3 **06**-*513,254* PC **A04**/MF **A01**

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AD-A158 303/8 **25**-*557,899* PC **A02**/MF **A01**

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PAT-APPL-6-666 597 **22**-*551,503* PC **A02**/MF **A01**

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PB85-216901 **20**-*545,116* PC **A03**/MF **A01**

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PB85-232908 **23**-*552,680* PC **A03**/MF **A01**

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DE85010954 **18**-*541,728* PC **A02**/MF **A01**

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DE85013300 **22**-*551,442* PC **A02**/MF **A01**

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DE85700837 **18**-*541,802* PC **A02**/MF **A01**

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IPHE-JINR Neutrino Detector.
DE84780157 **09**-*519,938* PC **A08**/MF **A01**

Sup 205 Tl Experiment.
DE85004031 **11**-*525,021* PC **A02**/MF **A01**

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DE85009766 **19**-*544,137* PC **A02**/MF **A01**

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DE85700756 **22**-*551,101* PC **A02**/MF **A01**

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DE85751035 **19**-*544,175* PC **A04**/MF **A01**

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DE85781327 **25**-*559,023* PC **A02**/MF **A01**

NEUTRINO-ELECTRON INTERACTIONS

One-Loop Electroweak Corrections to Neutrino-Electron Elastic Scattering.
DE84703494 **09**-*520,402* PC **A02**/MF **A01**

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DE85002010 **06**-*514,168* PC **A02**/MF **A01**

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DE85015182 **25**-*559,530* PC **A02**/MF **A01**

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DE85700844 **18**-*541,806* PC **A02**/MF **A01**

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DE85750575 **15**-*534,933* PC **A03**/MF **A01**

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DE85901043 **22**-*551,652* PC **A02**/MF **A01**

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PB85-137461 **05**-*510,695* Not available NTIS

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Exclusive Neutrino Production of Pseudoscalar Mesons in Neutral Currents.
DE85700657 **20**-*546,670* PC **A02**/MF **A01**

NEUTRINO-NEUTRINO INTERACTIONS

Role of Interaction in Neutrino Statistics. In Memory of Bronislaw Kuchowicz.
DE83704012 **02**-*504,934* PC **A03**/MF **A01**

NEUTRINO-NEUTRON INTERACTIONS

Brief Report on a New Limit on the Strength of Mixing Between nu/sub mu / Yields nu/sub E/.
DE85015183 **24**-*556,849* PC **A02**/MF **A01**

Experimental Results from Lepton-Hadron and Photon-Hadron Scattering: Structure Functions and Final States.
DE85901008 **22**-*551,639* PC **A03**/MF **A01**

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DE84016928 **06**-*514,127* PC **A03**/MF **A01**

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DE85013847 **24**-*556,801* PC **A04**/MF **A01**

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DE85780024 **09**-*520,567* PC **A09**/MF **A01**

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DE85780753 **20**-*546,816* PC **A02**/MF **A01**

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DE85780837 **17**-*539,410* PC **A07**/MF **A01**

NEUTRINO OSCILLATION

Are Neutrino Oscillations Impossible.
DE84702436 **01**-*502,491* PC **A02**/MF **A01**

Neutrino Oscillations with Large Oscillation Length in Spite of Large (Majorana) Neutrino Masses.
DE84702540 **01**-*502,506* PC **A02**/MF **A01**

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DE84702626 **03**-*507,542* PC **A02**/MF **A01**

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DE84703493 **09**-*520,401* PC **A02**/MF **A01**

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DE85006711 **13**-*530,403* PC **A02**/MF **A01**

Neutrino Mass, Double beta Decay and Neutrino Oscillations.
DE85006798 **13**-*530,405* PC **A02**/MF **A01**

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Weak Interactions of Quarks and Leptons: Experimental Status.
DE85008171 **16**-*536,798* PC **A05**/MF **A01**

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DE85009766 **19**-*544,137* PC **A02**/MF **A01**

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DE85700675 **20**-*546,687* PC **A02**/MF **A01**

Msub(Nu) and L-Conservation.
DE85700843 **18**-*541,805* PC **A03**/MF **A01**

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Higher QCD Corrections to the Bjorken Sum Rule.
DE84702247 **03**-*507,468* PC **A02**/MF **A01**

Study of Transverse Momenta of Charged Hadrons Produced in nu p and Anti nu p Charged Current Interactions.
DE84752304 **09**-*520,448* PC **A02**/MF **A01**

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DE85004841 **11**-*525,459* PC **A02**/MF **A01**

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DE85700072 **09**-*520,509* PC **A02**/MF **A01**

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DE85700655 **20**-*546,668* PC **A02**/MF **A01**

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DE85751000 **20**-*546,760* PC **A03**/MF **A01**

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DE85752024 **25**-*559,634* PC **A02**/MF **A01**

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DE85780025 **09**-*520,568* PC **A06**/MF **A01**

Experimental Results from Lepton-Hadron and Photon-Hadron Scattering: Structure Functions and Final States.
DE85901008 **22**-*551,639* PC **A03**/MF **A01**

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PB85-159598 **10**-*523,042* PC **E03**/MF **E03**

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DE85002075 **04**-*510,310* PC **A02**/MF **A01**

Sup 205 Tl Experiment.
DE85004031 **11**-*525,021* PC **A02**/MF **A01**

Nu/sub mu /C sup 12 Yields mu exp - X Cross Section and nu/sub mu / - nu/sub e/ Oscillation Using the Decay-in-Flight Source at Line-E of LAMPF.
DE85006711 **13**-*530,403* PC **A02**/MF **A01**

Inclusive Charged Hadron Spectra in nu A and Approximately nu A Interactions at Esub(Approximately nu) < = 30 GeV.
DE85700674 **20**-*546,686* PC **A02**/MF **A01**

Properties of Multiplicity Distributions in nuA and AntinuA Interactions at Esub((Anti nu)) < = 30 GeV.
DE85701787 **25**-*559,585* PC **A02**/MF **A01**

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Note Concerning the Gravitational Undistinguishibility of Neutrino Field and Stokesian Fluid.
DE81700420 **20**-*544,557* PC **A02**/MF **A01**

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Role of Interaction in Neutrino Statistics. In Memory of Bronislaw Kuchowicz.
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DE83704650 **02**-*504,948* PC **A02**/MF **A01**

Summary of Neutrino and Lepton Structure Functions.
DE84014892 **03**-*507,384* PC **A02**/MF **A01**

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DE84017258 **06**-*514,129* PC **A02**/MF **A01**

Infancy and Youth of Neutrino Physics: Some Recollections.
DE84702254 **03**-*507,473* PC **A02**/MF **A01**

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DE84702436 **01**-*502,491* PC **A02**/MF **A01**

Leptonic CP Violation and Left-Right Symmetry.
DE84702439 **01**-*502,494* PC **A02**/MF **A01**

Neutrino Oscillations with Large Oscillation Length in Spite of Large (Majorana) Neutrino Masses.
DE84702540 **01**-*502,506* PC **A02**/MF **A01**

Neutrino Counting in Colliding E exp + E exp - BEAMS.
DE84703219 **20**-*546,631* PC **A02**/MF **A01**

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DE84751408 **03**-*507,582* PC **A02**/MF **A01**

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DE84751424 **09**-*520,411* PC **A05**/MF **A01**

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DE85000002 **06**-*514,136* PC **A02**/MF **A01**

Measurements of Neutrino Mass.
DE85005966 **13**-*530,391* PC **A02**/MF **A01**

Neutrino Mass, Double beta Decay and Neutrino Oscillations.
DE85006798 **13**-*530,405* PC **A02**/MF **A01**

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DE85007017 **13**-*530,420* PC **A02**/MF **A01**

Low Energy Tests for the Standard Model and Beyond.
DE85007675 **13**-*530,441* PC **A02**/MF **A01**

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DE85900485 **24**-*556,891* PC **A02**/MF **A01**

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DE85900487 **22**-*551,635* PC **A02**/MF **A01**

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N84-35240/0 **02**-*502,871* PC **A02**/MF **A01**

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N85-13707/3 **07**-*514,394* PC **A02**/MF **A01**

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N85-29867/7 **21**-*547,245* PC **A02**/MF **A01**

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PB85-160307 **10**-*523,044* PC **E03**/MF **E03**

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PB85-228567 **22**-*551,656* PC **E03**/MF **E03**

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PB85-233401 **23**-*554,272* PC **E03**/MF **E03**

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PB85-109726 **01**-*501,133* PC **A18**/MF **A01**

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AD-P004 133/5 **04**-*509,401* PC **A02**/MF **A01**

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PB85-119733 **04**-*506,833* PC **E04**/MF **E01**

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PB85-182053 **15**-*534,764* PC **E03**/MF **E03**

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DE84752327 **11**-*524,792* PC **A02**/MF **A01**

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DE85781064 **25**-*557,995* PC **A03**/MF **A01**

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DE83750196 **09**-*520,304* PC **A02**/MF **A01**

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DE85009823 **17**-*539,271* PC **A02**/MF **A01**

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PB85-130573 **08**-*518,021*
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Neutron Chopper Development at LANSCE (Los Alamos Neutron Scattering Center).
DE85015721 **26**-*561,785* PC **A02**/MF **A01**

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DE85781307 **25**-*559,509* PC **A02**/MF **A01**

NEUTRON CLOUD POINTS

Neutron Cloud Points and Concentration Fluctuations of Polymer Blends.
PB85-135549 **05**-*511,282* Not available NTIS

NEUTRON COUNTERS

Lightweight Neutron Detector.
PATENT-4 463 264 **11**-*525,036* Not available NTIS

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AD-A155 776/8 **21**-*549,110* PC **A05**/MF **A01**

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DE84702320 **03**-*507,523* PC **A02**/MF **A01**

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DE84702645 **03**-*507,559* PC **A05**/MF **A01**

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DE84703048 **03**-*507,566* PC **A02**/MF **A01**

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DE84901886 **01**-*502,548* PC **A06**/MF **A01**

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DE85002059 **04**-*510,308* PC **A03**/MF **A01**

Measurement and Evaluation of Selected 14-MeV Neutron Cross Sections for Fusion.
DE85010295 **17**-*538,856* PC **A02**/MF **A01**

Double Differential Neutron Emission Cross Sections of sup 10 B and sup 11 B at 6, 10 and 14 MeV and of sup 6 Li sup 7 Li and sup 12 C at 14 MeV.
DE85012749 **24**-*556,789* PC **A02**/MF **A01**

R-Matrix Analysis of the sup 239 Pu Neutron Cross Sections.
DE85013095 22-*551,558* PC **A02**/MF **A01**

New Neutron Cross Sections for Fusion Materials Studies.
DE85013898 22-*551,032* PC **A02**/MF **A01**

Neutron Cross Section Standards Evaluations for ENDF/B-VI.
DE85015734 25-*559,541* PC **A02**/MF **A01**

Neutron Total Cross Section of sup 240 Pu Below 6 EV and the Parameters of the 1.0-EV Resonance.
DE85016158 26-*561,638* PC **A02**/MF **A01**

Results of Coupled Channels Calculations for the Neutron Cross Sections of a Set of Actinide Nuclei.
DE85700149 20-*546,656* PC **A06**/MF **A01**

Manipulation and Application of the INER-CSRL 218-Group Neutron Cross Section Library.
DE85900134 08-*518,005* PC **A03**/MF **A01**

Determination of the Average Neutron Activation Cross Section with an Annular-Shaped 241Am/Be Neutron Source and a NaI(T1) Detector for the 27Al(n,p)27Mg reaction.
N85-31975/4 23-*554,261* PC **A02**/MF **A01**

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PB85-193928 16-*536,856* PC **E04**/MF **E01**

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PB85-203214 18-*541,814* PC **E05**/MF **E01**

Cross-Section Library DOSCROS84 (in a 640 Group Structure of the SAND-II Type).
PB85-203222 18-*541,815* PC **E05**/MF **E01**

Neutron Scattering and Reactions on 59Co from 1 to 20 MeV.
PB85-231827 23-*554,268* PC **E04**/MF **E04**

NEUTRON-DEFICIENT ISOTOPES

Spectroscopy around sup 100 Sn.
DE84751788 03-*507,590* PC **A02**/MF **A01**

Studies of Extremely Neutron-Deficient Isotopes Near the Proton Shell Z = 82.
DE84751927 09-*520,424* PC **A06**/MF **A01**

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DE84752128 09-*520,435* PC **A02**/MF **A01**

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DE85005853 12-*528,002* PC **A02**/MF **A01**

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DE85006695 13-*530,401* PC **A02**/MF **A01**

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DE85009734 14-*532,659* PC **A02**

Beta-Delayed Particle Emission from Neutron-Deficient Tellurium, Iodine, Xenon, Cesium and Barium Isotopes.
DE85750790 15-*534,960* PC **A03**/MF **A01**

NEUTRON DENSITY

Monte Carlo alpha Calculation.
DE85010720 18-*541,514* PC **A02**/MF **A01**

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Pinhole Imaging of High Energy Neutrons, gamma-Rays, and Charged Particles Using Microchannel Plate Detectors.
DE85005711 12-*527,687* PC **A02**/MF **A01**

Power Deposition Measurements at the LAMPF Neutron Radiation Effects Facility.
DE85015355 24-*556,749* PC **A02**/MF **A01**

Energy Response of the De Pangher Precision Long Counter.
DE85016980 26-*561,396* PC **A02**/MF **A01**

Fast Neutron Activating Detectors for Pulsed Flow Measurements.
DE85017017 26-*561,397* PC **A03**/MF **A01**

Neutron Yield Monitors for the Fusion Neutronics Source (FNS) For 80 degree Beam Line.
DE85700234 11-*525,002* PC **A03**/MF **A01**

Calculation of Neutron Detection Efficiency in the Experiments on the Study of Synthesis Reactions Ttsub(Mu) Yields sup 4 He + 2N + mu exp - and Dtsub(Mu) Yields sup 4 He + N + mu exp -.
DE85700689 20-*546,699* PC **A02**/MF **A01**

Specific Features of Scintillator Emission in Intense Pulsed Neutron and gamma Fields.
DE85700958 20-*546,141* PC **A02**/MF **A01**

Efficiency of Neutron Detection by the System of Liquid Scintillation Counters. Calculation Program for Neutron Transport with E < 20 MeV.
DE85702022 25-*558,984* PC **A02**/MF **A01**

Some Modelisation Aspects of the Instrumental Transformation of Neutron Kinetic Energy into Electrical Impulse Amplitude.
DE85751216 25-*558,991* PC **A04**/MF **A01**

Study on the Fast Neutron Sensitivity of Thermoluminescent Detectors.
DE85780523 16-*536,586* PC **A02**/MF **A01**

Detection of Solar Neutrons by Ground Based Neutron Monitors.
N85-32076/0 23-*551,998* PC **A02**/MF **A01**

Underwater Radiation Detector.
PAT-APPL-6-586 620 21-*548,864* PC **A02**/MF **A01**

Fissile Solution Measurement Apparatus.
PAT-APPL-6-616 455 21-*548,865* PC **A02**/MF **A01**

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Ultrahigh-Sensitivity Threshold Neutron Detector for Plasma Diagnostics.
DE85005270 11-*525,534* PC **A02**/MF **A01**

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DE85001206 07-*515,347* PC **A02**/MF **A01**

Operational Assays for Fissile Material in Crated Nuclear Energy Wastes.
DE85003932 13-*530,075* PC **A02**/MF **A01**

Evaluation of a TRU Waste Counter for Crated Nuclear Wastes.
DE85003958 10-*522,689* PC **A02**

New Five-Segment, Annular, Neutron Detector Array.
DE85006693 12-*527,717* PC **A02**/MF **A01**

Neutron Yields from (Alpha,n) Reactions of Importance to Reactors. Final Report.
DE85007528 13-*530,436* PC **A02**/MF **A01**

Lightweight Neutron Detector.
PATENT-4 463 264 11-*525,036* Not available NTIS

Lithium-6 Coated Wire Mesh Neutron Detector.
PATENT-4 481 421 11-*525,037* Not available NTIS

Microchannel Plate Neutron Detector.
PB85-124345 04-*510,018* Not available NTIS

Design and Calibration of an Absolute Flux Detector for 1-15 MeV Neutrons.
PB85-141372 06-*513,999* Not available NTIS

Data-Evaluation for Operator-Inspector Differences for a Specific NDA Instrument.
PB85-189595 16-*536,602* PC **E04**/MF **E04**

Banc d'Essai de Compteurs He-3 Gere par Ordinateur HP85 (Test Bench for He-3 Counters Controlled by an HP85 Computer).
PB85-213478 20-*546,168* PC **E03**/MF **E03**

NEUTRON-DEUTERON INTERACTIONS

Triton Binding Energy and the nd-Scattering Lengths with Account of a Quark Nucleon Structure.
DE84702838 08-*517,895* PC **A02**/MF **A01**

NEUTRON DIFFRACTION

Choice of Moderator for a Liquids Diffractometer on a Pulsed Neutron Source.
DE84701239 09-*519,801* PC **A02**/MF **A01**

Neutron Diffraction Study of (TMTSF) Sub 2 BF sub 4 after Slow and Rapid Cooling to 20 K.
DE85003624 11-*523,979* PC **A02**/MF **A01**

Review of Current and Proposed Reactor Upgrades.
DE85007580 15-*534,699* PC **A02**/MF **A01**

Magnetism at Interfaces and Surfaces, as Probed by Neutron Scattering.
DE85007987 16-*536,930* MF **A01**

High Resolution Powder Diffraction.
DE85008287 14-*531,490* PC **A02**/MF **A01**

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DE85016298 26-*561,654* PC **A02**/MF **A01**

Profile Refinement of Powder Diffraction Patterns Using the Voigt Function.
DE85700989 23-*553,663* PC **A02**/MF **A01**

MCANG - A Group Data Library of Cumulative Angular Distributions of Elastically Scattered Neutrons for Monte Carlo Calculations.
DE85701015 23-*553,887* PC **A02**/MF **A01**

Absorption Factor Tables for X-Ray and Neutron Scattering in Cylindrical Samples.
DE85701934 26-*561,841* PC **A03**/MF **A01**

Interactive FORTRAN Program for the Evaluation of Structure Factors and Pair Distribution Functions from Neutron Diffraction Experiments.
DE85752101 26-*560,689* PC **A03**/MF **A01**

NXDC-Neutron and X-Ray Diffraction Code for Crystal Structures Calculations.
DE85900871 13-*530,308* PC **A02**

Ultrasonic SH Wave Velocity in Textured Aluminum Plates.
N85-25475/3 18-*541,331* PC **A03**/MF **A01**

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N85-31978/8 23-*552,526* PC **A03**/MF **A01**

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PB85-104784 01-*501,107* Not available NTIS

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PB85-104818 01-*502,365* Not available NTIS

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PB85-117760 03-*505,904* PC **E03**/MF **E03**

Crystal Structures of the Chevrel Phases Li3.3Mo6S8 and Li3.2Mo6Se8.
PB85-142479 05-*511,336* Not available NTIS

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PB85-144863 06-*513,304* Not available NTIS

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PB85-144871 06-*513,305* Not available NTIS

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PB85-184778 15-*533,614* Not available NTIS

Neutron Powder Diffraction Study of alpha- and beta-PbO2 in the Positive Electrode Material of Lead-Acid Batteries.
PB85-201945 18-*540,788* Not available NTIS

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PB85-205987 19-*542,507* Not available NTIS

NEUTRON DIFFRACTOMETERS

Choice of Moderator for a Liquids Diffractometer on a Pulsed Neutron Source.
DE84701239 09-*519,801* PC **A02**/MF **A01**

Neutron Radiography Installations at the First Nuclear Power Plant Reactor.
DE84703018 03-*506,800* PC **A02**/MF **A01**

Optimization of Flat and Horizontally Curved Neutron Monochromators for Given Diffractometer Geometries.
DE84751520 05-*512,058* PC **A08**/MF **A01**

Control Program of the Neutron Four-Circle-Diffractometer P110 at the ORPHEE Reactor/CEN Saclay.
DE84752289 09-*519,937* PC **A06**/MF **A01**

Design of the Low-Q Diffractometer at Los Alamos.
DE85015712 25-*558,798* PC **A02**/MF **A01**

Small-Angle Neutron Scattering Installation Based on Time-of-Flight Method on IBR-2 Reactor.
DE85700952 20-*546,137* PC **A02**/MF **A01**

Software for Data Acquisition System of the DN-2 Diffractometer at the IBR-2 Pulsed Reactor.
DE85781305 25-*559,018* PC **A02**/MF **A01**

NEUTRON DIFFUSION EQUATION

Numerical Solution of Two-Dimensional Equation in Diffusion Approximation by the Finite Element Method Eliminating the Peculiarities in Calculational Net Nodes.
DE84700800 03-*507,211* PC **A02**/MF **A01**

Solution of the Thermal Neutron Diffusion Equation for a Two-Region Cyclindrical System Program for ODRA-1305 Computer.
DE84703477 20-*546,187* PC **A03**/MF **A01**

State of the Art in Using Finite Element Method for Neutron Diffusion Calculation.
DE84780410 01-*502,299* PC **A02**/MF **A01**

Relationship Between Some Nodal Schemes and the Finite Element Method in Static Diffusion Calculations.
DE84780414 01-*502,302* PC **A02**/MF **A01**

Numerical Study of the Eigenvalues in the Neutron Diffusion Theory.
DE84780530 02-*504,825* PC **A06**/MF **A01**

Size Dependent Diffusive Parameters and Tensorial Diffusion Equations in Neutronic Models for Optically Small Nuclear Systems.
DE85700175 10-*523,017* PC **A02**/MF **A01**

Elaboration of a Nodal Method to Solve the Steady State Multigroup Diffusion Equation. Study and Use of the Multigroup Diffusion Code DAHRA.
DE85701118 23-*553,888* PC **A06**/MF **A01**

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DE85701993 26-*561,642* PC **A03**/MF **A01**

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DE85780297 17-*538,934* PC **A05**/MF **A01**

MICRETE Version 4.1. User's Manual and Program Description.
DE85780515 17-*539,217* PC **A04**/MF **A01**

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PB85-139277 06-*514,034* PC **E07**/MF **E07**

NEUTRON DOSIMETERS

Niobium Neutron Fluence Dosimeter Measurements.
DE85003406 09-*519,942* PC **A02**/MF **A01**

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Rhodium-103 and Indium-115 Inelastic Scattering Reactions for Fission Neutron Dosimetry.
AD-A155 188/6 19-*544,131* PC **A02**/MF **A01**

Response of an Albedo Neutron Dosimeter to Moderated AmBe and 252(Cf) Neutron Sources.
AD-A157 457/3 23-*552,396* PC **A02**/MF **A01**

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DE84014890 08-*517,450* PC **A07**/MF **A01**

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DE84016669 **02**-*504,618* PC **A04**/MF **A01**

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DE84703259 **11**-*525,019* PC **A02**/MF **A01**

Experimental Study on Neutron Dosimeters with Low Threshold Energies.
DE84703575 **10**-*522,622* PC **A03**/MF **A01**

Characterization of Fuel Distributions in the Three-Mile Island Unit 2 (TMI-2) Reactor System by Neutron and gamma-Ray Dosimetry.
DE85000292 **08**-*517,577* PC **A02**/MF **A01**

Portable Microdosimetry System.
DE85000841 **07**-*514,655* PC **A02**/MF **A01**

Digital Approach to Neutron Dosimetry and Microdosimetry.
DE85001128 **08**-*517,460* PC **A02**/MF **A01**

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DE85001538 **07**-*515,350* PC **A02**/MF **A01**

Personnel Radiation Dosimetry Symposium: Program and Abstracts.
DE85002198 **07**-*515,382* PC **A05**/MF **A01**

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DE85004250 **09**-*518,783* PC **A02**/MF **A01**

Applications of Bonner Sphere Detectors in Neutron Field Dosimetry.
DE85004259 **10**-*522,627* PC **A04**/MF **A01**

New Look at Displacement Factor and Point of Measurement Corrections in Ionization Chamber Dosimetry.
DE85004276 **08**-*516,304* PC **A03**/MF **A01**

Studies of a Digital Approach to Neutron Dosimetry and Microdosimetry.
DE85005371 **11**-*523,883* PC **A02**/MF **A01**

DOE Personnel Neutron Dosimetry Evaluation and Upgrade Program.
DE85007150 **13**-*530,026* PC **A02**/MF **A01**

Development and Application of the Electrochemical Etching Technique.
DE85010302 **22**-*551,083* PC **A06**/MF **A01**

Solid-State Track Recorder Neutron Dosimetry in the Three-Mile Island Unit-2 Reactor Cavity.
DE85011360 **19**-*543,931* PC **A03**/MF **A01**

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DE85014260 **22**-*549,802* PC **A02**/MF **A01**

Progress Report: Health Sciences Division (Chalk River Nuclear Laboratories, Ontario, Canada), 1983 July 1-December 31.
DE85701531 **23**-*553,892* PC **A07**/MF **A01**

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DE85750928 **16**-*535,683* PC **A05**/MF **A01**

Quick Evaluation of the Neutron Dose Following a Criticality Accident by Measurement of Sodium 24 Activity.
DE85751198 **25**-*559,209* PC **A03**/MF **A01**

Dosimetric Quantities in the ICRU Sphere for Neutron Irradiation with Energies Between Thermal and 20 MeV.
DE85752126 **26**-*561,424* PC **A05**/MF **A01**

Discrepancies in Dosimetry of Fast Neutrons Using Monitoring Film.
DE85781120 **24**-*556,366* PC **A02**/MF **A01**

LWR (Light Water Reactor) Pressure Vessel Surveillance Dosimetry Improvement Program. PCA Experiments, Blind Test, and Physics-Dosimetry Support for the PSF Experiments.
NUREG/CR-3318 **02**-*504,662* PC **A13**/MF **A01**

LWR (Light Water Roactor) Pressure Vessel Surveillance Dosimetry Improvement Program: LWR Power Reactor Surveillance Physics-Dosimetry Data Base Compendium.
NUREG/CR-3319 **26**-*561,520* PC **A22**/MF **A01**

Evaluation of Neutron Dosimetry Techniques for Well-Logging Operations.
NUREG/CR-3609 **21**-*548,857* PC **A04**/MF **A01**

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NUREG/CR-3610 **01**-*500,856* PC **A06**/MF **A01**

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NUREG/CR-3746-V1 **05**-*512,336* PC **A09**/MF **A01**

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NUREG/CR-3746-V2 **15**-*534,570* PC **A08**/MF **A01**

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NUREG/CR-3746-V3 **15**-*534,571* PC **A06**/MF **A01**

Determination of Damage Exposure Parameter Values in the PSF (Poolside Facility) Metallurgical Irradiation Experiment.
NUREG/CR-3814 **03**-*507,049* PC **A03**/MF **A01**

Activity and Fluence Calculations for the Startup and Two-Year Irradiation Experiments Performed at the Poolside Facility.
NUREG/CR-3886 **03**-*507,050* PC **A03**/MF **A01**

Neutron Spectral Characterization for the Fifth Heavy Section Steel Technology (HSST) Irradiation Series, Neutronics Exposure Parameters.
NUREG/CR-4031-V3 **16**-*536,617* PC **A03**/MF **A01**

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PB85-120640 **04**-*508,655* Not available NTIS

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PB85-148849 **08**-*517,471* PC **E05**/MF **E05**

Cross-Section Library DOSCROS84 (in a 640 Group Structure of the SAND-II Type).
PB85-203222 **18**-*541,815* PC **E05**/MF **E01**

Dose Conversion Factors and W sub n Values for Infinitesimal Infinite Tissue-Equivalent Ion Chambers in Monoenergetic Neutron Fields from Thermal to 20 MeV.
PB85-221984 **21**-*548,866* Not available NTIS

Calibration Techniques for Neutron Personal Dosimetry.
PB85-222305 **21**-*547,698* Not available NTIS

Investigation of an Experimental Method for the Determination of Dose Equivalent in the Icru Sphere.
PB85-222354 **21**-*548,867* Not available NTIS

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DE84702450 **01**-*502,502* PC **A02**/MF **A01**

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DE85013886 **22**-*551,564* PC **A02**/MF **A01**

DDXPLOT: A Program to Plot the Energy Angle Double-Differential Cross Sections.
DE85701123 **22**-*551,595* PC **A03**/MF **A01**

Non-Equilibrium Neutron Emission in the sup 12 C+ Au Reaction at 30 MeV/A.
DE85750548 **15**-*534,926* PC **A02**/MF **A01**

Quantum Mechanical Treatment of Diabatic Neutron Emission in Heavy-Ion Collisions.
DE85751535 **20**-*546,802* PC **A04**/MF **A01**

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ELXSIR Cross-Section Library for LWR Pressure Vessel Irradiation Studies: Part of the LEPRICON Computer Code System.
DE85000680 **09**-*520,057* PC **A03**/MF **A01**

Non-Destructive Determination of Reactor Pressure Vessel Neutron Exposure by Continuous gamma-Ray Spectrometry.
DE85001496 **08**-*517,671* PC **A02**/MF **A01**

Design of the Inner Reflector of a High-Temperature Gas-Cooled Reactor.
DE85750103 **13**-*530,211* PC **A06**/MF **A01**

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Neutronic Models for the HIFAR Reactor.
DE84702031 **03**-*507,212* PC **A03**/MF **A01**

Two-Dimensional Program for Calculating the Neutron Flux in Reactor Cells Using the Multigroup Kinetic Approximation.
DE84702706 **03**-*507,219* PC **A02**/MF **A01**

CASPAR Computer Code for Monte Carlo Calculations of Neutron Fields in Hexahedron Fuel Assemblies.
DE84702711 **03**-*507,192* PC **A02**/MF **A01**

Improvement of Flux Distribution Calculation Using the Extrapolation Method of Richardson.
DE84702832 **05**-*512,238* PC **A02**/MF **A01**

International Intercomparison on the Neutron Flux Density Spectrum Just Before the REAL-80 Project.
DE84703390 **09**-*520,400* PC **A03**/MF **A01**

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DE84703570 **10**-*522,855* PC **A05**/MF **A01**

Elaboration of a Simplified Method for LMFBR Neutron Calculations. Application to Some Problems Related to Research Programs.
DE84751378 **03**-*507,229* PC **A07**/MF **A01**

Excitation of Neutron Flux Waves in Reactor Core Transients.
DE85005547 **12**-*527,836* PC **A02**/MF **A01**

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DE85013520 **22**-*551,017* PC **A04**/MF **A01**

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DE85014652 **24**-*556,488* PC **A02**/MF **A01**

Neutron Yield Monitors for the Fusion Neutronics Source (FNS) For 80 degree Beam Line.
DE85700234 **11**-*525,002* PC **A03**/MF **A01**

Study on the 21 MeV Neutron Flux Characteristics Obtained in the sup 3 H(d,n) sup 4 He Reaction Using of Gas Target.
DE85700699 **22**-*551,567* PC **A02**/MF **A01**

Transformation Law for Response Fluxes within the Collision Probability Method.
DE85701285 **23**-*554,072* PC **A02**/MF **A01**

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DE85014115 **24**-*556,297* PC **A02**/MF **A01**

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PB85-139525 **06**-*513,261* PC **E04**/MF **E04**

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DE84702072 **03**-*507,649* PC **A04**/MF **A01**

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Generation of Radiation Transport Geometry from Computer-Generated Design Data
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NEUTRON TRANSPORT THEORY

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AD-A157 457/3 **23**-*552,396* PC **A02**/MF **A01**

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DE85700699 **22**-*551,567* PC **A02**/MF **A01**

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DE85780157 **12**-*527,736* PC **A07**/MF **A01**

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N85-10164/0 **03**-*507,604* PC **A02**/MF **A01**

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DE85007345 **18**-*540,835* PC **A02**/MF **A01**

Electronic Structure Calculations for Low Coverage Adlayers.
DE85007733 **14**-*531,487* PC **A03**/MF **A01**

Advanced Research for the Characterization of Hydrogen Donor Solvents in Two-Stage Liquefaction. Quarterly Report, October 1-December 31, 1984.
DE85008132 **16**-*536,959* PC **A03**/MF **A01**

Catalyst Deactivation in Direct Coal Liquefaction Processes: A Quantitative Approach to Understanding the Rate of Activity Loss.
DE85008418 **25**-*559,866* PC **A02**/MF **A01**

Hydrotreatment of Nondeashed Coal-Derived Residuum: Catalyst Comparison.
DE85008425 **13**-*530,664* PC **A03**/MF **A01**

Electron Energy Loss Spectroscopy of Adsorbates on Ni and Cr Surfaces.
DE85008514 **14**-*531,864* PC **A08**/MF **A01**

Electrodes for Flash Discharge Lamps.
DE85008897 **14**-*531,636* PC **A02**/MF **A01**

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DE85009634 **20**-*544,921* PC **A02**/MF **A01**

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DE85009822 **18**-*541,319* PC **A02**/MF **A01**

Catalyst Deactivation in Direct Coal Liquefaction: A Comparative Study of Wilsonville Runs.
DE85009898 **19**-*544,358* PC **A02**/MF **A01**

Crack Tip Chemistry Modeling of Intergranular Stress Corrosion Cracks of Nickel Containing Segregated Phosphorus and Sulphur.
DE85010059 **17**-*538,238* PC **A03**/MF **A01**

Defect Production and Recovery in FCC Metals Irradiated at 4.2 K.
DE85010477 **19**-*543,901* PC **A02**/MF **A01**

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DE85010613 **18**-*541,576* PC **A06**/MF **A01**

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DE85010980 **18**-*541,659* PC **A18**/MF **A01**

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DE85011611 **20**-*547,072* PC **A06**/MF **A01**

Effects of Residual Stresses and Distortion on the Nickel 200 and Stainless Steel 304 Weldments.
DE85011868 **19**-*543,581* PC **A04**/MF **A01**

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DE85012015 **20**-*545,539* PC **A02**/MF **A01**

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DE85012789 **20**-*544,853* PC **A03**/MF **A01**

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DE85012825 **20**-*547,095* PC **A02**/MF **A01**

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DE85012872 **20**-*547,097* PC **A08**/MF **A01**

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DE85012981 **23**-*552,511* PC **A02**/MF **A01**

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DE85013392 **23**-*554,397* PC **A04**/MF **A01**

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DE85014350 **23**-*554,458* PC **A03**/MF **A01**

New and Improved Dispersion and Recovery Techniques for Slurry Phase Catalysis. Quarterly Progress Report, January-March 1985.
DE85014430 **24**-*557,120* PC **A07**/MF **A01**

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DE85014721 **24**-*557,128* PC **A02**/MF **A01**

Studies on Unusually Reactive Metal Powders. Preparation of New Organometallic and Organic Compounds Including Potential New Catalysts. Final Report, July 1, 1980-December 31, 1984.
DE85014844 **24**-*555,320* PC **A02**/MF **A01**

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DE85014937 **24**-*557,136* PC **A02**/MF **A01**

Chemical Synthesis under Shock Compression.
DE85015166 **24**-*555,256* PC **A02**/MF **A01**

New Interpretation of Spin-Wave Behavior in Nickel and Iron.
DE85015323 **24**-*557,039* PC **A03**/MF **A01**

Novel Catalytic Methods for Heteroatom Removal in Coal Liquids Upgrading. Quarterly Report No. 7, March 1-June 1, 1985.
DE85015389 **26**-*561,965* PC **A03**/MF **A01**

Overlap of Electron Core States for Very High Compressions.
DE85015745 **25**-*559,798* PC **A02**/MF **A01**

Surface Extended X-Ray Absorption Fine Structure of Low-Z Absorbates Using Fluorescence Detection.
DE85016061 **25**-*558,438* PC **A02**/MF **A01**

Chemistry and Morphology of Coal Liquefaction. Quarterly Report, January 1, 1985-March 31, 1985.
DE85016496 **25**-*559,910* PC **A02**/MF **A01**

Chemistry and Morphology of Coal Liquefaction. Quarterly Report, April 1, 1985-June 30, 1985.
DE85016507 **25**-*559,912* PC **A02**/MF **A01**

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DE85016807 **26**-*561,999* PC **A05**/MF **A01**

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DE85700422 **16**-*535,854* PC **A02**/MF **A01**

Stopping of Silver Ions in Solids.
DE85700502 **16**-*536,808* PC **A02**/MF **A01**

Spectrographic Determination of Trace Amounts of Some Elements in Metallic Aluminium.
DE85700580 **19**-*542,804* PC **A02**/MF **A01**

Sodium Permeability Through Structural Materials.
DE85700710 **22**-*550,453* PC **A02**/MF **A01**

Critical Behaviour of sup 19 F Hyperfine Fields in Ni Near the Curie Temperature.
DE85700825 **18**-*541,890* PC **A02**/MF **A01**

Simulation of Physical Sputtering of Metal Surface. Certification of Modified Method of Binary Collisions.
DE85700831 **18**-*540,348* PC **A02**/MF **A01**

Muon Zero Point Motion and the Hyperfine Field in Nickel.
DE85701568 **24**-*557,047* PC **A02**/MF **A01**

Spectrographic Analysis of Stainless Steels.
DE85701940 **26**-*560,940* PC **A02**/MF **A01**

Concentrations of 15 Trace Elements in Some Selected Adult Human Tissues and Body Fluids of Clinical Interest from Several Countries: Results from a Pilot Study for the Establishment of Reference Values.
DE85752360 **25**-*557,852* PC **A08**/MF **A01**

Trace Elements in Petroleum, Associated Oil Field Waters and the Kerogen Fraction of Selected Drill Core Samples from the Alpine Foreland (Southern Germany).
DE85770044 **20**-*544,989* PC **A06**/MF **A01**

Production and Properties of Nickel Carrier Catalysts.
DE85770128 **12**-*526,621* PC **A08**/MF **A01**

Determination of Nickel in Chloralkali Electrolysis Brines by X-Ray Fluorescence Spectrometry on a Membrane Filter.
DE85781518 **25**-*557,878* PC **A02**/MF **A01**

Semi-Quantitative Spectrographic Determination of Traces of Elements in Igneous Rocks.
DE85781519 **25**-*558,060* PC **A02**/MF **A01**

Procedure for the Hydrodesulphurisation of a Gas Containing Oxygen and Organic Sulphur Compounds.
DE85902060 **26**-*562,042* PC **A02**/MF **A01**

Low Cycle Fatigue Behavior of Conventionally Cast Mar-M 200 at 1000 Deg C.
N84-33564/5 **01**-*501,550* PC **A02**/MF **A01**

Effects of Seven Alloying Elements on the Microstructure and Stress-Rupture Behavior of Nickle-Base Superalloys.
N85-10168/1 **03**-*506,440* PC **A03**/MF **A01**

Reactions of Cobalt, Iron and Nickel in SO-2 Atmospheres: Similarities and Differences.
N85-11217/5 **04**-*508,826* PC **A02**/MF **A01**

Review: The Influence of Short Circuit Diffusion on the Oxidation of Nickel, Chromium and Nickel/Chromium Alloys.
N85-11237/3 **04**-*509,433* PC **A05**/MF **A01**

L'Electroformage du Nickel (Electroforming of Nickel).
N85-13085/4 **07**-*515,148* PC **A03**/MF **A01**

Optimization of the Nicral-Y/Zro-Y2O3 Thermal Barrier System.
N85-15878/0 **10**-*522,090* PC **A02**/MF **A01**

Surface Effects of Corrosive Media on Hardness, Friction, and Wear of Materials.
N85-15896/2 **10**-*522,133* PC **A02**/MF **A01**

Suspension Method of Impregnating Active Material into Composite Nickel Plaque.
PAT-APPL-6-740 115 **24**-*555,476* PC **A02**/MF **A01**

Low Temperature Deposition of Nickel Films.
PATENT-4 478 890 **10**-*522,388* Not available NTIS

Metal (2) 4,4',4',4'' Phthalocyanine Tetraamines as Curing Agents for Epoxy Resins.
PATENT-4 537 834 **26**-*560,463* Not available NTIS

Heat Capacity and Electrical Resistivity of Nickel in the Range 1300-1700 K Measured with a Pulse Heating Technique.
PB85-102192 **01**-*501,093* Not available NTIS

Extended Basis Set LCAO Chi-Alpha Treatment of NiH and Ni2.
PB85-104677 **01**-*501,103* Not available NTIS

Nickel Availability--Domestic. A Minerals Availability Program Appraisal.
PB85-109619 **03**-*506,024* PC **A03**/MF **A01**

Chemisorption and Reactivity Studies of Hydrogen and Carbon Monoxide of Sulfided Nickel (100).
PB85-115707 **03**-*505,897* Not available NTIS

Polarized LEED Study of Surface Magnetism.
PB85-120681 **04**-*510,407* Not available NTIS

Nickel Availability--Market Economy Countries. A Minerals Availability Program Appraisal.
PB85-136950 **05**-*511,715* PC **A03**/MF **A01**

Melting Temperature of Nickel by a Pulse Heating Technique.
PB85-143857 **06**-*513,290* Not available NTIS

Proposed Environmental Quality Standards for List II Substances in Water: Nickel.
PB85-180040 **14**-*532,116* PC **E07**/MF **E07**

Solid Phase Formation and Solution Chemistry of Nickel in Soils: 2. Experimental.
PB85-192979 **16**-*535,962* Not available NTIS

Solid Phase Formation and Solution Chemistry of Nickel in Soils: 1. Theoretical.
PB85-192987 **16**-*535,963* Not available NTIS

Reversible Step Rearrangement and Segregation on Nickel Surface at the Curie Temperature.
PB85-196228 **17**-*539,493* Not available NTIS

Immunologic Effects of Nickel: 2. Suppression of Natural Killer Cell Activity.
PB85-198281 **17**-*537,512* PC **A02**/MF **A01**

Sensitivity of Rainbow Trout Early Life Stages to Nickel Chloride.
PB85-198372 **18**-*540,034* PC **A02**/MF **A01**

Evaluation of Donnan Dialysis for Treatment of Nickel Plating Rinsewater.
PB85-200046 **18**-*540,861* PC **A03**/MF **A01**

Exposure and Risk Assessment for Nickel.
PB85-221174 **21**-*547,548* PC **A11**/MF **A01**

Connection between Surface Magnetism and Electronic Structure of Oxygen on Ni(110) (Invited).
PB85-227643 **22**-*551,801* Not available NTIS

Health Assessment Document for Nickel. Final Report,
PB85-248383 **23**-*552,297* PC **A19**/MF **A01**

Electroplating of Nickel. 1976-March 1985 (Citations from the Energy Data Base).
PB85-856870 **10**-*522,395* PC **N01**/MF **N01**

Toxicity of Nickel. June 1983-May 1985 (Citations from the Energy Data Base).
PB85-861623 **16**-*535,791* PC **N01**/MF **N01**

Toxicity of Nickel. 1970-June 1985 (Citations from the NTIS Data Base).
PB85-863470 **17**-*537,604* PC **N01**/MF **N01**

Electroplating of Nickel. 1970-October 1985 (Citations from the NTIS Data Base).
PB85-870624 **25**-*558,722* PC **N01**/MF **N01**

NICKEL 58

Nuclear Structure Studies at Intermediate Energies. Annual Progress Report, October 1983-August 1984.
DE84017427 **03**-*507,404* PC **A07**/MF **A01**

Searches for Double beta exp + , beta exp + /EC and Double Electron-Capture Decays.
DE85007826 **13**-*530,452* PC **A02**/MF **A01**

NICKEL 58 REACTIONS

Spectroscopy of Direct and beta -Delayed Proton 'Northwest' of sup 146 Gd.
DE84752244 **15**-*534,845* PC **A02**/MF **A01**

Reaction Studies Near the Barrier for Medium Heavy Systems Ni + Sn.
DE85006191 **11**-*525,489* PC **A02**/MF **A01**

Recent Advances in Heavy-Ion-Induced Fission.
DE85006827 **13**-*530,407* PC **A02**/MF **A01**

Fusion Reactions at Low Energy.
DE85010561 **18**-*541,756* PC **A02**/MF **A01**

Study of the Nuclear Reactions sup 208 Pb + sup 58 Ni and sup 208 Pb + sup 64 Ni with a Focusing Time-of-Flight Spectrometer.
DE85780744 **16**-*536,844* PC **A06**/MF **A01**

NICKEL 58 TARGET

200 MeV Proton Scattering on Nuclei. Energetic Proton Analysis at Large Angle.
DE84751872 **09**-*520,417* PC **A06**/MF **A01**

Energetic Proton Analysis at Large Angle by 200 MeV Proton Scattering on Nuclei: Inclusive Spectra, Proton-gamma Coincidence Spectra.
DE84752022 **09**-*520,430* PC **A06**/MF **A01**

Recent Advances in Heavy-Ion-Induced Fission.
DE85006827 **13**-*530,407* PC **A02**/MF **A01**

Fusion Reactions at Low Energy.
DE85010561 **18**-*541,756* PC **A02**/MF **A01**

High-Resolution Structural Material (n,x gamma) Production Cross Sections for 0.2 < E/sub n/ Less Than or Equal to 40 MeV.
DE85011926 **22**-*551,517* PC **A02**/MF **A01**

Calculated Neutron-Induced Cross Sections for /Sup 63,65/Cu /Sup 58,60/Ni, and sup 52 Cr from 1 to 20 MeV and Comparisons with Experiments.
DE85011928 **20**-*546,652* PC **A02**/MF **A01**

Sup 58 Ni + n Transmission, Capture and Differential Elastic Scattering Data Analysis in the Resonance Region.
DE85016157 **26**-*561,790* PC **A02**/MF **A01**

Peripheral Ar Induced Reactions at 44 MeV/U. Similarities and Deviations with Respect to a High Energy Fragmentation Process.
DE85750625 **15**-*534,935* PC **A02**/MF **A01**

Separation of the Nuclear and Coulomb Rainbow Components from the Elastic Scattering Data.
DE85751087 **19**-*544,201* PC **A02**/MF **A01**

Contribution to Very Inelastic Collisions. Emission Mechanism of Light Charged Particles and Angular Momentum Transfer in sup 40 Ar (280 MeV) + sup 58 Ni Nuclear Reactions.
DE85751204 **25**-*559,617* PC **A12**/MF **A01**

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

Elastic Scattering of Polarized Deuteron at Intermediate Energies.
DE85751305 **20**-*546,771* PC **A02**/MF **A01**

Subthreshold Pion Production in Nucleus-Nucleus Collisions: What Is the Mechanism.
DE85751889 **26**-*561,850* PC **A02**/MF **A01**

Cooperative Production of Neutral Pions and High-Energy Photons in Nucleus-Nucleus Collisions at 60-84 MeV/U.
DE85752135 **26**-*561,880* PC **A06**/MF **A01**

Development and Construction of Large-Area Ionization Chambers for the Study of Multiparticle Production in Heavy Ion Reactions.
DE85780315 **16**-*536,838* PC **A06**/MF **A01**

Gamma Spectroscopic Studies of Spherical and Deformed States of the Neutron-Deficient Nuclide sup 71 Se.
DE85780332 **15**-*534,980* PC **A06**/MF **A01**

Proton Induced Reactions on Ti, V, Mn, Fe, Co and Ni. Measurement and Hybrid Model Analysis of Integral Excitation Functions and Their Application in Model Calculation for the Production of Cosmogenic Nuclides.
DE85780656 **15**-*534,995* PC **A08**/MF **A01**

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

NICKEL 60

Paramagnetic Scattering from Ni.
DE85004207 **09**-*520,738* PC **A02**/MF **A01**

Study on the Systematics of Two-Neutron High Spin States in Fp Shell Nuclei by Means of the (alpha , sup 2 He) Reaction.
DE85780031 **10**-*523,025* PC **A04**/MF **A01**

NICKEL 60 TARGET

Optical Models from Low-Energy S-, p- and D-Wave Cross Sections.
DE84017592 **03**-*507,412* PC **A02**/MF **A01**

Strength Functions of sup 57 Fe and sup 60 Ni Nuclei from Analysis of the (Gamma ,n) Reactions Near the Threshold.
DE84702864 **09**-*520,324* PC **A02**/MF **A01**

Calculated Neutron-Induced Cross Sections for /Sup 63,65/Cu /Sup 58,60/Ni, and sup 52 Cr from 1 to 20 MeV and Comparisons with Experiments.
DE85011928 **20**-*546,652* PC **A02**/MF **A01**

Isovector Resonances in Pion Charge Exchange.
DE85012746 **22**-*551,547* PC **A02**/MF **A01**

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

First Results from GANIL (Grand Accelerateur National d'Ions Lourds, Caen, France).
DE85751330 **20**-*546,782* PC **A02**/MF **A01**

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

NICKEL 61 TARGET

Study on the Energy Spectra of Neutrons from the Helium, Lithium-6 and Carbon Ion Reactions at Energy of 4-20 MeV Per Nucleon with Production of Zinc-65 Compound System. Experimental Data.
DE85701846 **26**-*561,831* PC **A03**/MF **A01**

NICKEL 62

Study on the Systematics of Two-Neutron High Spin States in Fp Shell Nuclei by Means of the (alpha , sup 2 He) Reaction.
DE85780031 **10**-*523,025* PC **A04**/MF **A01**

NICKEL 62 TARGET

Study on the Energy Spectra of Neutrons from the Helium, Lithium-6 and Carbon Ion Reactions at Energy of 4-20 MeV Per Nucleon with Production of Zinc-65 Compound System. Experimental Data.
DE85701846 **26**-*561,831* PC **A03**/MF **A01**

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

NICKEL 63

Organic Complexant-Enhanced Mobility of Toxic Elements in Low-Level Wastes.
DE85002375 **07**-*515,410* PC **A02**/MF **A01**

Cycling of Transuranic Radionuclides in the Columbia River, Its Estuary and the Northeast Pacific Ocean. Progress Report, January-December 1984.
DE85011485 **19**-*543,907* PC **A02**/MF **A01**

Radionuclide Complexation in Xylem Exudates of Plants.
DE85013446 **22**-*549,847* PC **A02**/MF **A01**

NICKEL 64

Study on the Systematics of Two-Neutron High Spin States in Fp Shell Nuclei by Means of the (alpha , sup 2 He) Reaction.
DE85780031 **10**-*523,025* PC **A04**/MF **A01**

NICKEL 64 REACTIONS

Reaction Studies Near the Barrier for Medium Heavy Systems: Ni + Sn.
DE85006191 **11**-*525,489* PC **A02**/MF **A01**

Fusion Reactions at Low Energy.
DE85010561 **18**-*541,756* PC **A02**/MF **A01**

Study of the Nuclear Reactions sup 208 Pb + sup 58 Ni and sup 208 Pb + sup 64 Ni with a Focusing Time-of-Flight Spectrometer.
DE85780744 **16**-*536,844* PC **A06**/MF **A01**

NICKEL 64 TARGET

Fusion Reactions at Low Energy.
DE85010561 **18**-*541,756* PC **A02**/MF **A01**

Quasi Fission - the Mass Drift Mode in Heavy Ion Reactions.
DE85750514 **15**-*534,904* PC **A04**/MF **A01**

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

Sequential Emission of Fast Neutrons from the Reaction 7.5 - 9 MeV/U sup 16 O + sup 64 Ni in the Quasi-Elastic and Deep Inelastic Energy Range.
DE85780310 **15**-*534,973* PC **A04**/MF **A01**

Sequential Neutron Emission from sup 16 O-Induced Reactions with sup 27 Al and sup 64 Ni at 6 Respectively 12 MeV/U.
DE85780374 **15**-*534,983* PC **A04**/MF **A01**

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

NICKEL 66

Study on the Systematics of Two-Neutron High Spin States in Fp Shell Nuclei by Means of the (alpha , sup 2 He) Reaction.
DE85780031 **10**-*523,025* PC **A04**/MF **A01**

NICKEL 68

Halflife of the First Excited State (0 exp +) of sup 68 Ni.
DE85751268 **24**-*556,881* PC **A02**/MF **A01**

NICKEL 69

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

NICKEL ALLOY ASTROLOY

Crack Propagation in Powder Metallurgy Hot Isostatically Pressed Nickel-Based Alloy.
AD-A158 885/4 **25**-*558,417* PC **A03**/MF **A01**

NICKEL ALLOY IN738LC

Comparison of Property Regeneration Techniques and Life Prediction Procedures Applied to Laboratory Tested and Service Exposed Ni-Cr Alloys.
PB85-164804 **11**-*525,802* PC **E04**/MF **E04**

NICKEL ALLOY INCONEL

Effect of Stress and Hot Corrosion on Nickel-Base Superalloys.
AD-A154 722/3 **18**-*540,832* PC **A06**/MF **A01**

NICKEL ALLOY RSR 143

Microanalytical Study of Secondary Precipitation in RSR 143 Using Atom Probe Field Ion Microscopy and Analytical Transmission Electron Microscopy.
PB85-227650 **22**-*550,483* Not available NTIS

NICKEL ALLOYS

Low Cycle Fatigue Behavior of Conventionally Cast MAR-M 200 at 1000 C.
AD-A149 178/6 **08**-*516,861* PC **A02**/MF **A01**

Stress Corrosion Cracking and Oxidation Characteristics of Boride-Strengthend Microcrystalline Iron and Nickel Based Alloys.
AD-A149 805/4 **09**-*519,377* PC **A06**/MF **A01**

Production of Shaped Parts of NITINOL Alloys by Solid-State Sintering.
AD-A152 089/9 **13**-*529,734* PC **A03**/MF **A01**

Comparison of the Response of Shape Memory Alloy Actuators Using Air-Cooling and Water-Cooling.
AD-A155 216/5 **19**-*543,205* PC **A06**/MF **A01**

Study of Adherent Oxide Scales,
AD-A155 554/9 **19**-*543,210* PC **A03**/MF **A01**

Microshrink, Tensile Properties, and the Detection of Microshrink.
AD-A155 875/8 **21**-*548,137* PC **A02**/MF **A01**

Effect of Fe Substitution on the Magnetic Characteristics of Some Rni5 Alloys (R = Pr and Nd).
AD-A157 882/2 **24**-*557,007* PC **A02**/MF **A01**

Hot Isostatic Consolidation of P/M Superalloys.
AD-A158 419/2 **25**-*558,403* PC **A02**/MF **A01**

Crack Propagation in Powder Metallurgy Hot Isostatically Pressed Nickel-Based Alloy.
AD-A158 885/4 **25**-*558,417* PC **A03**/MF **A01**

Understanding the Roles of the Strategic Element Cobalt in Nickel Base Superalloys.
AD-P004 216/8 **06**-*513,565* PC **A02**/MF **A01**

Stability of Chromium Oxide Scales in Oxygen-Sulfur-Containing Environments at Elevated Temperatures.
DE84016232 **01**-*501,547* PC **A02**/MF **A01**

Initial Development of Nickel and Nickel-Iron Aluminides for Structural Uses.
DE84016641 **09**-*519,382* PC **A04**/MF **A01**

Metallurgical Studies of Hydrogen Storage Alloys. Final Report.
DE84017182 **03**-*507,800* PC **A10**/MF **A01**

Stability of Amorphous Metals on Semiconductor Substrates. Final Report.
DE84017256 **03**-*506,423* PC **A04**/MF **A01**

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AD-A149 626/4 **09**-*519,326* PC **A03**/MF **A01**

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DE85003567 **09**-*520,013* PC **A03**/MF **A01**

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DE85014008 **23**-*554,058* PC **A02**/MF **A01**

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DE85750080 **12**-*527,804* PC **A06**/MF **A01**

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DE85006907 **13**-*529,085* PC **A02**/MF **A01**

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N85-13009/4 **07**-*514,705* PC **A03**/MF **A01**

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N85-23414/4 **15**-*533,583* PC **A03**/MF **A01**

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PB85-104677 **01**-*501,103* Not available NTIS

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DE84016935 **02**-*504,020* PC **A05**/MF **A01**

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DE85003339 **13**-*529,413* PC **A03**/MF **A01**

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N85-10444/6 **03**-*506,358* PC **A04**/MF **A01**

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N85-25741/8 **18**-*540,786* PC **A04**/MF **A01**

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N85-30480/6 **22**-*550,367* PC **A02**/MF **A01**

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DE85001279 **04**-*510,287* PC **A02**/MF **A01**

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DE85005256 **11**-*525,473* PC **A02**/MF **A01**

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DE85007605 **13**-*530,502* PC **A04**/MF **A01**

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DE85700831 **18**-*540,348* PC **A02**/MF **A01**

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DE85780654 **15**-*534,993* PC **A05**/MF **A01**

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PB85-105831 **01**-*501,178* PC **E03**/MF **E01**

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PB85-107613 **01**-*501,223* PC **A20**/MF **A01**

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PB85-110997 **03**-*506,026* PC **E03**/MF **E01**

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DE85001397 **05**-*512,577* PC **A02**/MF **A01**

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DE85004848 **11**-*525,736* PC **A02**/MF **A01**

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DE85006129 **11**-*524,427* PC **A02**/MF **A01**

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DE85007932 **15**-*533,556* PC **A02**/MF **A01**

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DE85016950 **26**-*560,931* PC **A03**/MF **A01**

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N85-32175/0 **24**-*555,337* PC **A03**/MF **A01**

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DE84770510 **05**-*511,689* PC **A09**/MF **A01**

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DE85014710 **24**-*557,027* PC **A02**/MF **A01**

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PB85-104685 **02**-*504,043* Not available NTIS

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DE85701163 **20**-*545,511* PC **A03**/MF **A01**

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DE85007142 **12**-*527,114* PC **A05**/MF **A01**

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DE85780199 **10**-*522,875* PC **A06**/MF **A01**

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N85-12154/9 **06**-*513,603* PC **A03**/MF **A01**

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DE85016387 **26**-*560,420* PC **A02**/MF **A01**

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DE85015111 **24**-*555,230* PC **A03**/MF **A01**

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DE85001031 **08**-*516,828* PC **A03**/MF **A01**

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E85012591 **23**-*553,100* PC **A03**/MF **A01**

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E85016512 **26**-*560,874* PC **A05**/MF **A01**

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AT-APPL-6-580 982 **21**-*548,098* PC **A02**/MF **A01**

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E84751855 **10**-*521,413* PC **A09**/MF **A01**

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E84016002 **02**-*503,539* PC **A02**/MF **A01**

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eactivity of Cyclic 4N+ 2-Aromatic Cations: A Model Study for the Stereospecific Hydride Transfer in the Coenzyme NAD(+ 1)-NADH,
B85-241412 **26**-*560,266* PC **E05**/MF **E01**

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xcited-State Dynamics of NADH and 1-N-Propyl-1,4-Dihydronicotinamide.
E84016002 **02**-*503,539* PC **A02**/MF **A01**

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D-A152 864/5 **15**-*533,421* Not available NTIS

COTINIC ACID

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D-A152 937/9 **15**-*533,423* Not available NTIS

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PB85-186112 **15**-*533,233* PC **E05**/MF **E05**

CTITATING MEMBRANE

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D-A158 839/1 **25**-*557,618* PC **A02**/MF **A01**

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PB85-113165 **02**-*503,275* PC **A03**/MF **A01**

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PB85-117927 **04**-*508,541* PC **A02**/MF **A01**

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PB85-129815 **06**-*512,711* PC **A07**/MF **A01**

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PB85-134534 **05**-*510,651* PC **A04**/MF **A01**

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PB85-136299 **06**-*512,712* PC **A03**/MF **A01**

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PB85-113165 **02**-*503,275* PC **A03**/MF **A01**

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Military Consequences of Military Rule in Sub-Saharan Africa,
AD-A151 734/1 **13**-*528,577* PC **A07**/MF **A01**

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DE84770488 **07**-*514,887* PC **A02**/MF **A01**

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ED-253 196 **16**-*535,584* Not available NTIS

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PB85-113306 **02**-*503,363* PC **A05**/MF **A01**

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PB85-213320 **20**-*545,749* PC **A08**/MF **A01**

IGHT VISIBILITY

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PB85-203305 **18**-*541,169* PC **A06**/MF **A01**

NIGHT VISION

Effect of Extreme Peripheral Light on Dark Adaptation.
AD-A148 923/6 **07**-*514,647* PC **A02**/MF **A01**

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AD-A156 271/9 **21**-*547,685* PC **A02**/MF **A01**

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PB85-870087 **24**-*555,170* PC **N01**/MF **N01**

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AD-A156 969/8 **22**-*549,911* PC **A04**/MF **A01**

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PAT-APPL-6-688 944 **15**-*534,155* PC **A02**/MF **A01**

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PB85-862944 **17**-*538,816* PC **N01**/MF **N01**

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AD-B071 492/3 **14**-*531,137* PC **A05**/MF **A01**

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DE84702565 **01**-*500,186* PC **A03**/MF **A01**

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N85-19557/6 **13**-*528,418* PC **A02**/MF **A01**

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N85-19560/0 **13**-*528,420* PC **A02**/MF **A01**

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Identification and Estimation of a Monthly Multivariate Stochastic Streamflow Model for the Nile River Basin,
PB85-194918 **17**-*537,807* PC **A08**/MF **A01**

NIMBUS 7 SATELLITE

Data Report on Variations in the Composition of Sea Ice During Mizex/East'83 with the Nimbus-7 SMMR.
N85-18443/0 **12**-*526,864* PC **A07**/MF **A01**

NIMONIC 86

Screening Test Results on Potential Alternate Alloys for VHTGR Applications. Advanced Gas Cooled Reactor Materials Program.
DE85006233 **14**-*532,505* PC **A03**/MF **A01**

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DE81700487 **20**-*545,497* PC **A03**/MF **A01**

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DE85000842 **09**-*519,390* PC **A02**/MF **A01**

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NUREG-1047 **10**-*522,836* PC **A99**/MF **A01**

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NUREG-1085 **17**-*538,920* PC **A17**/MF **A01**

NIOBATES

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AD-A153 371/0 **15**-*533,539* Not available NTIS

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AD-A150 726/8 **11**-*525,597* PC **A02**/MF **A01**

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AD-A157 418/5 **23**-*554,162* Not available NTIS

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DE81700472 **20**-*544,948* PC **A03**/MF **A01**

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DE84016922 **02**-*504,807* PC **A05**/MF **A01**

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DE84017353 **03**-*507,752* PC **A03**/MF **A01**

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DE84702562 **01**-*501,060* PC **A05**/MF **A01**

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DE84703062 **02**-*505,112* PC **A07**/MF **A01**

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DE84770370 **04**-*510,441* PC **A05**/MF **A01**

Micromechanisms of Cleavage Behavior for Mo, Nb, and Mo-Nb Alloy Crystals as Probed by Synchrotron Radiation Topography.
DE85000416 **06**-*513,576* PC **A02**/MF **A01**

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DE85003457 **09**-*520,274* PC **A02**/MF **A01**

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DE85005167 **10**-*523,109* PC **A02**

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DE85005272 **12**-*528,091* PC **A02**/MF **A01**

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DE85005483 **11**-*525,339* PC **A02**/MF **A01**

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DE85005625 **11**-*525,635* PC **A07**/MF **A01**

Positron Annihilation Studies of Vacancy Formation in Tungsten, Chromium, and Niobium.
DE85006837 **12**-*527,111* PC **A02**/MF **A01**

Electrodes for Flash Discharge Lamps.
DE85008897 **14**-*531,636* PC **A02**/MF **A01**

Positron Annihilation Doppler Broadening Study of Niobium.
DE85010287 **18**-*540,842* PC **A02**/MF **A01**

Tritium-Helium Effects in Metals.
DE85011507 **21**-*548,822* PC **A02**/MF **A01**

Evaluated Nuclear-Data File for Niobium.
DE85012095 **19**-*544,155* PC **A03**/MF **A01**

Studies Concerning Transport of Carbon in Niobium, Vanadium and Vanadium-Titanium Alloys.
DE85012256 **23**-*552,507* PC **A06**/MF **A01**

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DE85013886 **22**-*551,564* PC **A02**/MF **A01**

Superconducting Critical Temperatures of Niobium Recovered from Megabar Dynamic Pressures.
DE85014177 **24**-*557,022* PC **A02**/MF **A01**

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DE85014443 **22**-*551,780* PC **A02**/MF **A01**

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DE85014832 **24**-*555,766* PC **A02**/MF **A01**

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DE85015394 **24**-*557,041* PC **A02**/MF **A01**

Condensed Matter at High Shock Pressures.
DE85016443 **26**-*560,481* PC **A02**/MF **A01**

Structure and Bidimensional Properties of Superconducting Nb-Al Multilayers.
DE85751264 **24**-*557,053* PC **A02**/MF **A01**

Behavior and Mechanism of Sorption of Uranylperoxocarbonato-Complexes on Anion Exchanger Systems.
DE85751911 **26**-*561,631* PC **A07**/MF **A01**

Properties of ABNT 41XX and 86XX Cast Steel Modified with Niobium; Evaluation Methodology and Experimental Preliminary Results.
DE85780088 **20**-*545,514* PC **A02**/MF **A01**

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DE85780195 **10**-*522,126* PC **A02**/MF **A01**

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DE85780386 **17**-*537,676* PC **A02**/MF **A01**

Niobium Effect in the Anisothermic Transformation of a Chromium Steel.
DE85780387 **17**-*538,261* PC **A02**/MF **A01**

Niobium Effects on the Austenitic Grain Growth and Hardenability of Steels for Mechanical Construction.
DE85780388 **17**-*538,262* PC **A02**/MF **A01**

Niobium Stainless Steel for Implants.
DE85780390 **17**-*538,264* PC **A02**/MF **A01**

Effect of Niobium Microadditions on the Pearlite Formation and Microhardness.
DE85780392 **17**-*538,266* PC **A02**/MF **A01**

Solubility of Niobium in Austenite in the Presence of Nb(C,N).
DE85780790 **17**-*537,688* PC **A02**/MF **A01**

Flux Pinning by Voids in Surface-Oxidized Superconducting Niobium and Vanadium.
DE85780833 **17**-*539,490* PC **A08**/MF **A01**

Potential for the Use of Niobium as an Alloying Element in Steels.
DE85781477 **25**-*558,459* PC **A03**/MF **A01**

Superconducting Resonators.
N84-34303/7 **01**-*501,271* PC **A06**/MF **A01**

Oxidation Behaviour of a 20 Percent Cr/25 Percent Ni/NB Stabilized Stainless Steel in Carbon Dioxide at High Temperatures and Its Improvement by Cerium and Yttrium.
N85-10182/2 **03**-*506,441* PC **A03**/MF **A01**

Review: Role of Refractory Metal Alloys in Fusion Reactor Applications.
N85-12695/1 **06**-*513,993* PC **A04**/MF **A01**

Analysis of (NbN, Nb) Double-Layered Electrodes,
PB85-108355
03-*506,075*
(Order as PB85-108306, PC **E07**/MF **E01**)

Superconducting Thin Films for Josephson Devices,
PB85-108371
03-*506,076*
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Development of Engineering and Cost Data for Foreign Columbium, Tantalum, Mercury, and Molybdenum Properties.
PB85-215325 **21**-*547,867* PC **A02**/MF **A01**

NIOBIUM 90

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DE84780472 **01**-*502,535* PC **A04**/MF **A01**

NIOBIUM 92

Light Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014217 **24**-*556,818* PC **A02**/MF **A01**

Upper Limit of Peak Area.
DE85700572 **18**-*541,790* PC **A02**/MF **A01**

NIOBIUM 93 REACTIONS

Thermalization in High Energy Nuclear Collisions.
DE84751619 **03**-*507,584* PC **A02**/MF **A01**

Collective Flow Observed in Relativistic Nuclear Collisions.
DE84751787 **03**-*507,589* PC **A02**/MF **A01**

Compression and Expansion at the Bevalac.
DE85000683 **06**-*514,149* PC **A02**/MF **A01**

Cluster Production and Entropy.
DE85007626 **13**-*530,439* PC **A02**/MF **A01**

Fission Along the Mass Asymmetry Coordinate: An Experimental Evaluation of the Conditional Saddle Masses and of the Businaro-Gallone Point.
DE85007627 **14**-*532,627* PC **A02**/MF **A01**

Compound Nucleus Emission of Complex Fragments at Low and Intermediate Energies.
DE85007653 **14**-*532,629* PC **A02**/MF **A01**

Two Particle Correlations from Relativistic Nuclear Collisions.
DE85008443 **14**-*532,655* PC **A02**/MF **A01**

NIOBIUM 93 TARGET

Cross Section of 70-230 MeV Proton Production in the p + A Yields p + X Reactions at 1-9 GeV/C, pi exp + + A Yields p + X at 1-6 GeV/C and in the pi exp - + A Yields p + X at 1.4 and 5 GeV/C.
DE84702866 **09**-*520,325* PC **A05**/MF **A01**

Thermalization in High Energy Nuclear Collisions.
DE84751619 **03**-*507,584* PC **A02**/MF **A01**

Collective Flow Observed in Relativistic Nuclear Collisions.
DE84751787 **03**-*507,589* PC **A02**/MF **A01**

Spectroscopy of Direct and beta -Delayed Proton 'Northwest' of sup 146 Gd.
DE84752244 **15**-*534,845* PC **A02**/MF **A01**

Formation of Tritium in Nuclear Reactions with Light Charged Projectiles in the Energy Range Up to 100 MeV.
DE84780563 **09**-*520,452* PC **A05**/MF **A01**

Equilibration, Compression and Flow at the Bevalac.
DE85000636 **06**-*514,111* PC **A02**/MF **A01**

Compression and Expansion at the Bevalac.
DE85000683 **06**-*514,149* PC **A02**/MF **A01**

Cluster Production and Entropy.
DE85007626 **13**-*530,439* PC **A02**/MF **A01**

Two Particle Correlations from Relativistic Nuclear Collisions.
DE85008443 **14**-*532,655* PC **A02**/MF **A01**

Fast-Neutron Interaction with Niobium.
DE85011471 **21**-*549,111* PC **A02**/MF **A01**

Energy Dependence of the Optical Model of Neutron Scattering from Niobium.
DE85015234 **24**-*556,850* PC **A03**/MF **A01**

Measurement and Analysis of Neutron Emission Spectrum under Niobium Nucleus Bombardment by 14 MeV Neutrons.
DE85701025 **22**-*551,593* PC **A02**/MF **A01**

Validation of the Intra-Nuclear-Cascade-Evaporation Model for Particle Production.
DE85751639 **22**-*551,622* PC **A09**/MF **A01**

NIOBIUM 95

Specific Processes in Solvent Extraction of Radionuclide Complexes. Author's Summary of Doctoral Thesis in Chemistry.
DE85780499 **17**-*538,884* PC **A03**/MF **A01**

NIOBIUM 96

Excited States of sup 96 Nb from sup 96 Zr(p,n gamma) sup 96 Nb Reaction.
DE85781458 **25**-*559,662* PC **A03**/MF **A01**

NIOBIUM ALLOYS

Effect of Austenitizing Temperature in C.O.D. Initial Values of Niocor 2 Steel of Two Different Niobium Contents.
DE83781124 **02**-*504,066* PC **A02**/MF **A01**

Stability of Amorphous Metals on Semiconductor Substrates. Final Report.
DE84017256 **03**-*506,423* PC **A04**/MF **A01**

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DE84702619 **04**-*510,382* PC **A02**/MF **A01**

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DE84751800 **03**-*506,433* PC **A03**/MF **A01**

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DE85007216 **12**-*527,115* PC **A02**/MF **A01**

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DE84752305 **10**-*523,102* PC **A03**/MF **A01**

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AD-A152 378/6 **14**-*531,449* PC **A02**/MF **A01**

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DE85011160 **20**-*544,962* PC **A03**/MF **A01**

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DE85013881 **23**-*553,058* PC **A02**/MF **A01**

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DE85014650 **24**-*555,314* PC **A02**/MF **A01**

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DE85014877 **25**-*559,881* PC **A14**/MF **A01**

Source of Stratospheric NO and N2O.
N85-25956/2 **18**-*539,767* PC **A03**/MF **A01**

NITRIDES

Fluctuation Phenomena Studies in Chemically Sensitive Field Effect Transistors. Part 2. Corrosion of Silicon Oxynitride.
AD-A148 227/2 **05**-*511,454* PC **A02**/MF **A01**

High Temperature Reactions and Microstructures in the Al2O3-AlN System.
AD-A157 473/0 **23**-*552,495* PC **A02**/MF **A01**

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DE85004126 **08**-*516,845* PC **A03**/MF **A01**

Order and Disorder in Transition Metal Carbides and Nitrides: Experimental and Theoretical Aspects.
DE85752053 **26**-*560,892* PC **A02**/MF **A01**

Catalysis by Carbides, Nitrides and Group VIII Intermetallic Compound.
PB85-205656 **19**-*542,828* Not available NTIS

NITRIDING

Effect of Nitridation of Silicon Dioxide on Its Infrared Spectrum.
AD-A153 260/5 **15**-*533,533* PC **A02**/MF **A01**

Nitriding of Titanium and Its Alloys by N2, NH3 or Mixtures of N2 + H2 in a DC Arc Plasma at Low Pressures.
N85-15168/6 **09**-*519,730* PC **A02**/MF **A01**

Slip Casting and Nitridation of Silicon Powder.
N85-21406/2 **14**-*532,190* PC **A02**/MF **A01**

Ion-Beam Nitriding of Steels.
PAT-APPL-6-661 481 **15**-*534,259* PC **A02**/MF **A01**

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PB85-870889 **25**-*558,729* PC **N01**/MF **N01**

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PB85-871564 **26**-*561,193* PC **N01**/MF **N01**

NITRIFICATION

Nitrification Enhancement through pH Control with Rotating Biological Contractors.
AD-A154 084/8 **17**-*538,418* PC **A03**/MF **A01**

Biological Treatability of KRW Energy Systems Gasifier PDU (Process Development Unit) Wastewaters.
PB85-199685 **16**-*536,302* PC **A09**/MF **A01**

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PB85-215051 **20**-*545,108* PC **A04**/MF **A01**

Determination of the Inhibitory Growth Kinetics of Nitrifiers in Batch and Continuous Flow Reactors.
PB85-225811 **22**-*549,721* PC **A03**/MF **A01**

NITRILES

Epoxy Phthalonitrile Polymers.
PAT-APPL-6-749 705 **24**-*555,797* PC **A02**/MF **A01**

NITRITE/METHYL

Preparation, Vapor Pressure and Infrared Spectrum of Methyl Nitrite.
PB85-142925 **06**-*513,284* Not available NTIS

NITRITES

AIDS: Amyl-Nitrite Use as a Factor (A Proposed Analytic Case-Control Study).
AD-A147 960/9 **04**-*508,494* PC **A03**/MF **A01**

Solubilities of Sodium Nitrate, Sodium Nitrite, and Sodium Aluminate in Simulated Nuclear Waste.
DE85002178 **05**-*512,279* PC **A03**/MF **A01**

Methods of Chemical Analysis for Ionic Constituents in Synfuel Wastewaters. Final Report.
DE85003285 **17**-*537,637* PC **A06**/MF **A01**

Analysis of Anions in Geological Brines Using Ion Chromatography.
DE85009497 **16**-*536,067* PC **A03**/MF **A01**

NITRO COMPOUNDS

Electron Density Distribution Analysis for Nitroguanidine.
DE85009598 **20**-*546,464* PC **A02**/MF **A01**

Oxidation of Heterocyclic Nitrogen Yields to Nitroheterocycles.
DE85012757 **23**-*552,456* PC **A02**/MF **A01**

Synthesis of 1,1'-Dinitro-3,3'-Azo-1,2,4-Triazole.
DE85013937 **23**-*554,113* PC **A02**/MF **A01**

Composite Explosives for Metal Acceleration: The Effect of Detonation Temperature.
DE85013982 **23**-*554,114* PC **A02**/MF **A01**

TATB: Strong Basic Reactions Provide Soluble Derivatives for Simple Qualitative High Explosive Spot Test.
DE85014259 **23**-*554,116* PC **A02**/MF **A01**

Dynamic and Static Compressibility of Porous Granular Hexanitrostilbene.
DE85015153 **24**-*556,559* PC **A02**/MF **A01**

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DE85015670 **25**-*557,971* PC **A03**

Identification and Quantification of Nitropolynuclear Aromatic Hydrocarbons in Ambient and Indoor Air Particulate Samples.
PB85-176790 **14**-*531,519* PC **A02**/MF **A01**

Analytical and Sampling Methodology for Characterization of Polynuclear Aromatic Compounds in Indoor Air.
PB85-188886 **16**-*535,870* PC **A02**/MF **A01**

Development of a Routine Technique for Analysis of Nitro-PAH in Diesel Particulate Extract.
PB85-196657 **17**-*537,718* PC **A05**/MF **A01**

NITRO RADICALS

A Study of the CH2NO2 Radical Using a Multiconfiguration Self-Consistent Field Approach.
AD-A148 167/0 **04**-*508,769* PC **A02**/MF **A01**

The Aromatic C-NO2 Bond as a Site for Nucleophilic Attack.
AD-A150 135/2 **09**-*518,856* Not available NTIS

Research in Energetic Compounds.
AD-A151 250/8 **12**-*526,630* PC **A04**/MF **A01**

Kinetics and Mechanism for the Basic Hydrolysis of BIS (2,2-Dinitropropyl) Acetal (BDNPA) and BIS (2,2-Dinitropropyl) Formal (BDNPF).
AD-A153 201/9 **15**-*533,526* PC **A03**/MF **A01**

Computational Analysis of some Properties Associated with the Nitro Groups in Polynitroaromatic Molecules.
AD-A157 770/9 **24**-*555,269* PC **A02**/MF **A01**

Trifluoramine Oxide with Nitric Oxide: A Facile In Situ Source of Nitrosyl Fluoride.
AD-A158 795/5 **25**-*557,876* PC **A02**/MF **A01**

NITROARYL COMPOUNDS

Reaktionen von Nitroaromaten in Pyridin (Reactions of Aromatic Compounds in Pyridin) (Reactions des Composes Aromatiques Nitres dans la Pyridine).
PB85-216265 **20**-*544,942* PC **E03**/MF **E03**

Determination of Nitro-Polynuclear Aromatic Hydrocarbons in Diesel Soot by Liquid Chromatography with Fluorescence and Electrochemical Detection.
PB85-225688 **22**-*550,027* Not available NTIS

NITROBENZENE

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DE85007166 **13**-*530,633* PC **A02**/MF **A01**

NITROBENZENES

The Aromatic C-NO2 Bond as a Site for Nucleophilic Attack.
AD-A150 135/2 **09**-*518,856* Not available NTIS

NITROCELLULOSE

Stability of Nitrocellulose to Microbial Degradation.
AD-A146 986/5 **02**-*504,833* PC **A02**/MF **A01**

Self-Developing Resist with Submicrometer Resolution and Processing Stability.
AD-A147 088/9 **02**-*504,393* PC **A02**/MF **A01**

Nitrocellulose as a Self-Developing Resist with Submicrometer Resolution and Processing Stability.
AD-A147 936/9 **04**-*509,763* PC **A02**/MF **A01**

Nitrocellulose as a Positive or Negative Self-Developing Resist.
AD-A151 521/2 **12**-*526,660* PC **A02**/MF **A01**

Comparison of Paper Molding and Slurry Processes for Manufacture of 60-mm M204 and 81-mm M205 Propelling Charge Containers.
AD-A151 530/3 **12**-*527,863* PC **A02**/MF **A01**

Munition Demilitarization Chemistry-Nitrocellulosic Propellants.
AD-P004 465/1 **13**-*530,267* PC **A02**/MF **A01**

NITROGEN

Thermal Model of Fire Suppression by Nitrogen Pressurization.
AD-A146 073/2 **01**-*501,917* PC **A03**/MF **A01**

Electron Momentum Transfer Cross Sections in N2 and O2.
AD-A146 097/1 **01**-*500,995* PC **A02**/MF **A01**

Vibrationally Inelastic Collision of CO2 with N2 and Ar.
AD-A148 224/9 **05**-*511,185* PC **A02**/MF **A01**

Collision Induced Electronic Energy Transfer between the A 2PI ui (V = 4) and X 2Sigma g + (V = 8) Rotational Manifolds on N2 +.
AD-A148 265/2 **05**-*511,190* PC **A02**/MF **A01**

Use of Active Nitrogen in Analytical Chemiluminescence Spectrometry.
AD-A150 534/6 **10**-*521,697* PC **A02**/MF **A01**

Decompression Induced Nitrogen Elimination.
AD-A151 337/3 **12**-*526,576* PC **A02**/MF **A01**

Sound Amplification by Relaxation Processes in Nitrogen and Mixtures of Nitrogen with Helium and Hydrogen.
AD-A153 620/0 **16**-*536,714* PC **A06**/MF **A01**

N2(+) Meinel Band Quenching.
AD-A155 735/4 **19**-*542,786* PC **A02**/MF **A01**

Nitrogen Analysis by Chemiluminescence.
AD-A156 197/6 **21**-*548,678* PC **A03**/MF **A01**

Detection of Polycyclic Aromatic Hydrocarbons by Active Nitrogen-Induced Chemiluminescence.
AD-A158 279/0 **24**-*555,291* PC **A02**/MF **A01**

Molecular Dynamics of Propellant Gases. Part 2.
AD-P004 546/8 **15**-*534,709* PC **A02**/MF **A01**

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DE81700401 **20**-*546,182* PC **A05**/MF **A01**

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DE84016292 **02**-*503,542* PC **A02**/MF **A01**

Novel Catalytic Methods for Heteroatom Removal in Coal Liquids Upgrading. Quarterly Report No. 4, June 1, 1984-August 31, 1984.
DE84017055 **03**-*507,795* PC **A03**/MF **A01**

Photoionization of Excited Molecular States.
DE84017454 **03**-*505,860* PC **A02**/MF **A01**

Measurement of Multi-Differential Electron Distributions of an Electron Beam in Nitrogen.
DE84701915 **09**-*518,778* PC **A05**/MF **A01**

Evaluation Report on CCTF CORE-I REFLOOD TEST CI-4 (Run 13) and CI-15 (Run 24). Investigation of the Refill Simulation and the Nitrogen Injection Effects.
DE84703560 **10**-*522,781* PC **A06**/MF **A01**

Ignition Probing by Laser Techniques. Preliminary Experiments.
DE84751666 **08**-*518,185* PC **A02**/MF **A01**

Electrocatalysis Research. Final Report, August 25, 1982-December 30, 1983.
DE85000324 **04**-*508,789* PC **A03**/MF **A01**

Resonantly Enhanced Multiphoton Ionization of Molecules.
DE85000585 **07**-*514,693* PC **A02**/MF **A01**

Negative Ion Detachment Cross Sections. Progress Report, March 1, 1982-February 28, 1985.
DE85001337 **04**-*508,812* PC **A02**/MF **A01**

Kinetic Study of NO/sub X/ Formation and Removal Processes in Combustion Streams. Final Report.
DE85001989 **11**-*525,662* PC **A04**/MF **A01**

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DE85002100 **04**-*508,824* PC **A03**/MF **A01**

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DE85002385 **07**-*515,652* PC **A04**/MF **A01**

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DE85002860 **08**-*516,404* PC **A02**/MF **A01**

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DE85003285 **17**-*537,637* PC **A06**/MF **A01**

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DE85003513 **08**-*516,141* PC **A02**/MF **A01**

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DE85004212 **09**-*518,918* PC **A02**/MF **A01**

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DE85004224 **10**-*522,277* PC **A02**/MF **A01**

Denitrification and Desulfurization of Combustion Gases. Quarterly Technical Progress Report No. 1, September 18-December 17, 1980.
DE85004225 **11**-*523,929* PC **A02**/MF **A01**

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DE85004616 **09**-*520,878* PC **A19**/MF **A01**

ORNL (Oak Ridge National Laboratory) Gas-Jet Target.
DE85005707 **12**-*527,972* PC **A02**/MF **A01**

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DE85007204 **12**-*528,206* PC **A03**/MF **A01**

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DE85007321 **13**-*530,638* PC **A02**/MF **A01**

Active Sites in Char Gasification. Fourth Quarterly Progress Report, July-September, 1984.
DE85007660 **16**-*536,958* PC **A02**/MF **A01**

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DE85009166 **15**-*532,929* PC **A10**/MF **A01**

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DE85010645 **18**-*541,548* PC **A17**/MF **A01**

Static High Pressure Study of Nitric Oxide Chemistry. Proposed Mechanism for Nitric Oxide Detonation.
DE85010795 **19**-*542,790* PC **A02**/MF **A01**

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DE85011740 **19**-*542,797* PC **A02**/MF **A01**

Effects of Inorganics and Pore Structure on Char Gasification Kinetics. Final Report.
DE85011786 **19**-*544,383* PC **A10**/MF **A01**

Calculation of the Propagation Constant in a Rectangular Waveguide Containing an Inhomogeneous Longitudinally Magnetized Plasma.
DE85012072 **19**-*544,219* PC **A03**/MF **A01**

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DE85012307 **20**-*547,084* PC **A03**/MF **A01**

Formation, Ion Modification, and Annealing of VN.
DE85012896 **22**-*551,773* PC **A02**/MF **A01**

Liquid to Gas Leak Ratios with Liquid Nitrogen and Liquid Helium.
DE85012950 **22**-*551,002* PC **A02**/MF **A01**

Radiolytic Gas Generation Rates from Hanford RHO-CAW Sludge and Double-Shell Slurry Immobilized in Grout.
DE85013519 **22**-*551,158* PC **A04**/MF **A01**

Inorganic Nitrogen in Green River Formation Oil Shale.
DE85013977 **25**-*559,878* PC **A02**/MF **A01**

Improvement in Wear Performance of Surgical Ti-6Al-4V Alloy by Ion Implantation of Nitrogen or Carbon.
DE85013986 **24**-*555,748* PC **A02**/MF **A01**

Angular Distribution of Neutral Hydrogen Following Collisional Electron Detachment from H exp -.
DE85014258 **22**-*550,009* PC **A02**/MF **A01**

Fluids at High Dynamic Pressures and Temperatures.
DE85014812 **24**-*555,319* PC **A02**/MF **A01**

Theory of Molecular Dissociation in Shocked Nitrogen and Oxygen.
DE85015148 **25**-*557,964* PC **A02**/MF **A01**

Condensed Matter at High Shock Pressures.
DE85016443 **26**-*560,481* PC **A02**/MF **A01**

Optimization of Measurement Conditions at Determining the Nitrogen Content in a Grain Using the gamma-Activation Method.
DE85701027 **23**-*552,584* PC **A02**/MF **A01**

Strategies and Methods to Control Emissions of Sulphur and Nitrogen Oxides. Report and Background Papers. Expert Meeting 2.
DE85750163 **11**-*524,644* PC **A09**/MF **A01**

Measurement of the Radial Density Distribution of the Light Emissions Near the Trajectory of Fast Ions in Nitrogen.
DE85750268 **15**-*534,886* PC **A06**/MF **A01**

Nitrogen - a Problem of Water Conservation. Environmental Effects, Emission, Purification Methods, Costs.
DE85751457 **18**-*541,132* PC **A06**/MF **A01**

Effect of Annealing under Thermodynamically Stable Conditions on the Formation and Transformation of Structural Defects in Diamond Monocrystals.
N84-34288/0 **01**-*502,361* PC **A02**

Treating Silicon Carbide Sinter by Heating in Nitrogen.
N85-10130/1 **03**-*506,379* PC **A02**/MF **A01**

Lubricity of Well-Characterized Jet and Broad-Cut Fuels by Ball-on-Cylinder Machine.
N85-12183/8 **06**-*514,271* PC **A02**/MF **A01**

Flow of Nitrogen-Pressurized Halon 1301 in Fire Extinguishing Systems.
N85-15701/4 **10**-*522,426* PC **A06**/MF **A01**

Statistical Comparison of Pooled Nitrogen Washout Data of Various Altitude Decompression Response Groups.
N85-26278/0 **18**-*540,234* PC **A02**/MF **A01**

Soil-Mediated Effects of Atmospherically Deposited Sulfur and Nitrogen.
PB85-106730 **01**-*501,802* Not available NTIS

Solubility of Nitrogen and Air in Liquids.
PB85-116242 **05**-*511,244* Not available NTIS

Collisional Narrowing Effects in the Raman Q-Branch Spectral Profiles of N2, CO, and NO.
PB85-124428 **04**-*508,863* Not available NTIS

Aminosyreindholdet i Danske Levnedsmidler (Amino Acid Content of Danish Foods).
PB85-136448 **06**-*513,255* PC **E04**/MF **E01**

Studies of the Mechanisms and Rates with Which Nitrogen Species are Incorporated into Cloud Water and Precipitation.
PB85-144350 **07**-*514,419* PC **A04**/MF **A01**

Shear Viscosity Coefficients of Nitrogen + Methane and Methane + Ethane Mixtures.
PB85-145480 **06**-*513,315* Not available NTIS

Optimization of Nitrogen Removal by Rapid Infiltration. Volume 1. System Description and Evaluation.
PB85-173938 **12**-*527,354* PC **A06**/MF **A01**

Optimization of Nitrogen Removal by Rapid Infiltration. Volume 2. Remote Computer Operating System.
PB85-173946 **12**-*527,355* PC **A15**/MF **A01**

Atmospheric Nitrogen Oxides: Their Detection and Chemistry.
PB85-193910 **16**-*536,409* PC **A05**/MF **A01**

Evaluation of Nitrogen and Phosphorous Enrichment Using 'In situ' Enclosure Bags with Temporal Indigenous Phytoplankton Populations.
PB85-211787 **19**-*542,947* PC **A03**/MF **A01**

Nutrient Assimilation Capacity of Shallow Coastal Lakes.
PB85-219004 **20**-*545,124* PC **A04**/MF **A01**

Anisotropic Scattering of Electrons by N2 and Its Effect on Electron Transport.
PB85-225738 **22**-*550,031* Not available NTIS

Influence of Nitrogen Application and Irrigation on Ground-Water Quality in the Coastal Plain.
PB85-225852 **22**-*550,112* PC **A03**/MF **A01**

Detection of Nitrogen Rotational Distributions by Resonant 2 + 2 Multiphoton Ionization Through the a(sup 1)pi(sub g) State.
PB85-227577 **22**-*550,037* Not available NTIS

Postnatal Effects of Prenatal Exposure to Low Doses of Nitrofen (2,4-Dichlorophenyl-p-Nitrophenyl Ether) in Sprague-Dawley Rats.
PB85-239390 **25**-*557,859* PC **A02**/MF **A01**

Changes in the Species and Concentration of Carbon, Nitrogen and Sulfur Compounds during the BOD (Biochemical Oxygen Demand) Test and Their Effect on Oxygen Uptake.
PB85-246791 **26**-*561,104* PC **A03**/MF **A01**

NITROGEN 13

Radiative Ion Beams: Hot Stellar Reactions in the Laboratory.
DE85001570 **09**-*520,465* PC **A02**/MF **A01**

Use of the Short-Lived Radioisotopes sup 11 C and sup 13 N to Study Nitrogen Uptake and Photosynthate Translocation in Fodder Beet.
DE85701472 **24**-*554,941* PC **A02**/MF **A01**

NITROGEN 14

Studies of P-Shell Nuclei by Large Momentum Transfer Electron Scattering.
DE84016803 **02**-*504,977* PC **A02**/MF **A01**

Calculation of Reduced Partition Function Ratios of Isotopically Substituted Molecules on a Quantum Chemical Base. Possibilities and Limitations of the Evaluation of Isotope Effects by Means of the Semiempirical MINDO/3- and MNDO-MO Methods.
DE84702325 **02**-*503,575* PC **A09**/MF **A01**

Particle-Hole Description of GDR States in Light Nuclei with Closed Shells + - 2 Nucleons.
DE84702552 **15**-*534,844* PC **A03**/MF **A01**

NMR And Molecular Dynamics of Small Solutes in Liquid Crystals.
DE85780644 **15**-*533,580* PC **A07**/MF **A01**

Improved Flexibility in MODR (Microwave-Optical Double Resonance) Using a Supersonic Jet Source: Applications to CO + and CN.
PB85-124063 **04**-*508,857* Not available NTIS

NITROGEN 14 REACTIONS

Near-Threshold Production of Neutral pi Mesons in Heavy-Ion Reactions.
DE85000985 **04**-*510,282* PC **A02**/MF **A01**

Subthreshold Pion Production: Nucleon-Nucleon Single Collisions Vs. Co-Operative Mechanisms.
DE85750093 **11**-*525,500* PC **A03**/MF **A01**

Subthreshold Pion Production in Nucleus-Nucleus Collisions: What Is the Mechanism.
DE85751889 **26**-*561,850* PC **A02**/MF **A01**

Determination of the Mass Excess of sup 147 Tb.
DE85780885 **20**-*546,820* PC **A03**/MF **A01**

NITROGEN 14 TARGET

Studies of P-Shell Nuclei by Large Momentum Transfer Electron Scattering.
DE84016803 **02**-*504,977* PC **A02**/MF **A01**

Nuclear Physics Experiments with the ORNL-HHIRF Supersonic Gas Jet Target.
DE85005260 **11**-*525,474* PC **A02**/MF **A01**

NITROGEN 15

Stable Isotope Studies. Progress Report, March 1, 1984-February 28, 1985.
DE84016752 **02**-*503,553* PC **A07**/MF **A01**

Calculation of Reduced Partition Function Ratios of Isotopically Substituted Molecules on a Quantum Chemical Base. Possibilities and Limitations of the Evaluation of Isotope Effects by Means of the Semiempirical MINDO/3- and MNDO-MO Methods.
DE84702325 **02**-*503,575* PC **A09**/MF **A01**

NITROGEN 15 TARGET

Missing Spectroscopic Strength and Microscopic Calculations of the Background Below Giant Resonances.
DE85700183 **09**-*520,559* PC **A02**/MF **A01**

NITROGEN 16

Two-Body Weak Axial Charge Density and Nuclear Structure Correlation Effects in the Isovector Transition sup 16 O(O sub 1 +) Reversible sup 16 N(O sub 1-).
DE84702094 **03**-*507,437* PC **A02**/MF **A01**

Meson Exchange Corrections to Nuclear Weak Axial Charge Density in Hard Pion Model and O exp + Reversible O exp - Transition in A = 16 Nuclei.
DE84702293 **03**-*507,497* PC **A02**/MF **A01**

First Forbidden beta Decay in Light Nuclei.
DE85007284 **13**-*530,429* PC **A02**/MF **A01**

NITROGEN 17

First Forbidden beta Decay in Light Nuclei.
DE85007284 **13**-*530,429* PC **A02**/MF **A01**

NITROGEN 19

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

NITROGEN 20

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

NITROGEN ATOMS

Time-of-Flight Determination of Radiative Decay Rates for High Rydberg States in Atomic Nitrogen.
PB85-140408 **05**-*511,313* Not available NTIS

NITROGEN COMPOUNDS

Boron-Nitrogen Polymers. I. Mechanistic Studies of Borazine Pyrolyses.
AD-A146 470/0 **01**-*501,027* PC **A02**/MF **A01**

The Aromatic C-NO2 Bond as a Site for Nucleophilic Attack.
AD-A150 135/2 **09**-*518,856* Not available NTIS

NF(b Superscript 1 Sigma +) from Discharge-Initiated NF(a1 Delta) and Chemical O2(a1 Delta g).
AD-A151 358/9 **12**-*526,644* PC **A03**/MF **A01**

Preparation of Nitrocompounds.
AD-A153 687/9 **16**-*535,797* PC **A02**/MF **A01**

Syntheses of Novel Nitrogen and Phosphorus Heterocycles.
AD-A158 449/9 **25**-*557,886* PC **A04**/MF **A01**

Analysis and Model/Data Comparisons of Large-Scale Releases of Nitrogen Tetroxide. Final Report June 1983 - September 1984.
AD-A158 752/6 **25**-*558,614* PC **A05**/MF **A01**

Impact of Lupinus Leucophyllous on the Nitrogen Budgets of Semi-Arid Plant Communities.
DE85000374 **04**-*508,433* PC **A02**/MF **A01**

Nitrogen Compound Types in Hydrotreated Shale Oils.
DE85015755 **25**-*559,899* PC **A03**/MF **A01**

Dry Deposition of Sulphur and Nitrogen Compounds.
DE85750170 **11**-*524,645* PC **A05**/MF **A01**

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PB85-216794 **20**-*544,731* PC **E04**/MF **E04**

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NOISE PREDICTION (AIRCRAFT)

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Design of Sidewall Treatment of Cabin Noise Control of a Twin Engine Turboprop Aircraft.
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Preliminary Assessment of Environmental Noise from Large Wind Energy Conversion Systems (WECS) Based on Experiences from Swedish Prototypes.
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NOISE (RADAR)

Applications of Modern Spectral Estimation Techniques to Radar Data.
AD-A153 460/1 **16**-*536,543* MF **A01**

NOISE (RADIO)

Synoptic Observations of the Radio Noise Background in the Frequency Range 150-180 kHz to Provide Design Data for the Low Frequency Communications Designer.
AD-A147 438/6 **03**-*506,876* PC **A05**/MF **A01**

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Local-Oscillator Excess-Noise Suppression for Homodyne and Heterodyne Detection.
AD-A147 019/4 **02**-*504,896* PC **A02**/MF **A01**

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AD-A150 050/3 **09**-*519,887* PC **A03**/MF **A01**

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AD-A153 716/6 **16**-*536,380* PC **A02**/MF **A01**

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PAT-APPL-6-635 693 **02**-*504,905* PC **A02**/MF **A01**

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PAT-APPL-6-676 044 **17**-*538,743* PC **A03**/MF **A01**

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PATENT-4 495 411 **17**-*538,724* Not available NTIS

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PATENT-4 522 495 **24**-*556,224* Not available NTIS

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AD-A154 961/7 **18**-*541,363* PC **A03**/MF **A01**

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AD-A157 909/3 **24**-*556,168* PC **A07**/MF **A01**

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PB85-114981
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AD-A146 319/9 **01**-*501,949* Not available NTIS

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AD-A150 868/8 **11**-*525,376* PC **A02**/MF **A01**

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AD-A146 891/7 **02**-*504,577* PC **A03/MF A0**

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PATENT-4 486 657 **14**-*532,276* Not available NTIS

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AD-A147 457/6 **03**-*507,344* PC **A02/MF A01**

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AD-A151 476/9 **12**-*527,668* PC **A06/MF A01**

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PB85-138899 **06**-*513,762* PC **A04**/MF **A01**

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PB85-243764 **26**-*560,532* PC **E07**/MF **E01**

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PB85-246205 **26**-*560,455* PC **E07**/MF **E01**

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PB85-246437 **23**-*554,496* PC **A03**/MF **A01**

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AD-A146 080/7 **01**-*501,564* PC **A03**/MF **A01**

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Enhancement of Charge-Transport Rates by Redox Cross-Reactions between Reactants Incorporated in Nafion Coatings.
AD-A145 924/7 **01**-*500,977* Not available NTIS

Catalytic Oxidation by Transition Metal Ions in Zeolites.
AD-A146 828/9 **02**-*503,507* PC **A02**/MF **A01**

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AD-A147 161/4 **02**-*503,522* PC **A03**/MF **A01**

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AD-A148 161/3 **04**-*508,766* PC **A02**/MF **A01**

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AD-A148 521/8 **05**-*512,542* PC **A02**/MF **A01**

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AD-A148 811/3 **06**-*513,234* PC **A02**/MF **A01**

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AD-A151 517/0 **12**-*526,657* PC **A02**/MF **A01**

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N85-12465/9 **06**-*513,253* PC **A03**/MF **A01**

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PB85-197432 **17**-*537,721* Not available NTIS

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AD-A150 696/3 **11**-*524,435* PC **A04**/MF **A01**

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N85-12131/7 **06**-*513,594* PC **A02**/MF **A01**

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N85-19073/4 **13**-*529,493* PC **A07**/MF **A01**

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N85-21344/5 **14**-*531,880* PC **A06**/MF **A01**

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PB85-102259 **01**-*502,723* Not available NTIS

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PB85-222388 **21**-*548,191* Not available NTIS

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AD-A157 666/9 **23**-*552,754* PC **A05**/MF **A01**

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Influence of Aluminum Oxide Film on Thermocompression Bonding of Gold Wire to Evaporated Aluminum Film.
N85-12127/5 **06**-*513,856* PC **A02**/MF **A01**

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N85-12766/0 **06**-*514,064* PC **A05**/MF **A01**

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N85-14914/4 **09**-*519,358* PC **A02**/MF **A01**

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PAT-APPL-6-640 712 **02**-*504,041* PC **A02**/MF **A01**

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DE85017158 **26**-*560,585* PC **A03**/MF **A01**

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AD-A153 406/4 **16**-*536,919* PC **A02**/MF **A01**

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PAT-APPL-6-636 656 **21**-*547,776* PC **A02**/MF **A01**

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AD-A145 830/6 **01**-*500,869* PC **A02**/MF **A01**

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AD-P004 124/4 **04**-*509,392* PC **A02**/MF **A01**

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AD-P004 126/9 **04**-*509,394* PC **A02**/MF **A01**

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AD-P004 132/7 **04**-*509,400* PC **A03**/MF **A01**

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DE85010284 **18**-*541,911* PC **A02**/MF **A01**

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DE85701999 **26**-*561,548* PC **A03**/MF **A01**

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N85-11455/1 **04**-*509,324* PC **A06**/MF **A01**

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N85-11959/2 **04**-*508,029* PC **A02**

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N85-13558/0 **07**-*514,706* PC **A02**/MF **A01**

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N85-18577/5 **12**-*526,536* PC **A06**/MF **A01**

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N85-29997/2 **22**-*551,861* PC **A02**/MF **A01**

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N85-32015/8 **23**-*554,318* PC **A03**/MF **A01**

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N85-32156/0 **24**-*555,334* PC **A02**/MF **A01**

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PB85-108454 **02**-*503,602* **Not available NTIS**

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PB85-115731 **03**-*505,899* **Not available NTIS**

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PB85-140325 **05**-*512,097* **Not available NTIS**

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PB85-145639 **06**-*513,950* **Not available NTIS**

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PB85-145951 **08**-*516,259* PC **E06**/MF **E01**

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PB85-155984 **07**-*515,673* PC **A03**/MF **A01**

Optimization of the Advanced Alkaline Water Electrolysis,
PB85-157543 **10**-*521,747* PC **E03**/MF **E03**

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PB85-159135 **11**-*524,046* PC **E04**/MF **E01**

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PB85-160463 **11**-*523,686* PC **A02**/MF **A01**

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PB85-160810 **11**-*524,125* **Not available NTIS**

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PB85-160828 **11**-*524,126* **Not available NTIS**

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PB85-160836 **11**-*524,127* **Not available NTIS**

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PB85-192862 **16**-*535,904* PC **E04**/MF **E04**

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PB85-194017 **16**-*535,905* PC **E03**/MF **E03**

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PB85-196442 **17**-*538,731* PC **A06**/MF **A01**

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OXYGEN 15

Radiative Ion Beams: Hot Stellar Reactions in the Laboratory.
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OXYGEN 16

Calculation of Reduced Partition Function Ratios of Isotopically Substituted Molecules on a Quantum Chemical Base. Possibilities and Limitations of the Evaluation of Isotope Effects by Means of the Semiempirical MINDO/3- and MNDO-MO Methods.
DE84702325 **02**-*503,575* PC **A09**/MF **A01**

Alpha Cluster Model and Spectrum of sup 16 O.
DE84702553 **01**-*502,516* PC **A03**/MF **A01**

Density Approximation of Ground and Excited States of Light Nuclei.
DE84702848 **08**-*517,905* PC **A02**/MF **A01**

Matter Radius of sup 12 C and sup 16 O.
DE84702853 **08**-*517,910* PC **A02**/MF **A01**

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Parity Violation in alpha Decay.
DE85700549 **18**-*541,768* PC **A03**/MF **A01**

Spectroscopy of sigma -Hypernuclei.
DE85780655 **15**-*534,994* PC **A04**/MF **A01**

OXYGEN 16 BEAMS

Experiments with Light Ions at the CERN Super Proton Synchrotron.
DE85007625 **13**-*530,372* PC **A02**/MF **A01**

Heavy Ion Rutherford Backscattering Spectrometry (HIRBS) For the Near Surface Characterization of Electronic Materials.
DE85007632 **13**-*530,550* PC **A05**/MF **A01**

OXYGEN 16 REACTIONS

Contribution to the Study of the Elastic Scattering of the System exp 16 O + exp 12 C.
DE82780023 **20**-*546,628* PC **A07**/MF **A01**

Spin Effects in Charge-Exchange Reactions with Relativistic Ions.
DE84702097 **03**-*507,440* PC **A02**/MF **A01**

Study of lambda -Production in Central Nucleus-Nucleus Interactions at the Momentum of 4.6 GeV/C Per Incident Nucleon.
DE84702310 **03**-*507,514* PC **A02**/MF **A01**

New Developments in the Application of Gas-Jet and on-Line Chemistry Techniques to Heavy Ion Reactions with Exotic Targets.
DE84752097 **09**-*520,257* PC **A02**/MF **A01**

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DE84780259 **01**-*502,522* PC **A05**/MF **A01**

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DE85008248 **14**-*532,651* PC **A03**/MF **A01**

Mass Dispersions in a Time-Dependent Mean-Field Approach.
DE85751078 **19**-*544,194* PC **A02**/MF **A01**

Sequential Emission of Fast Neutrons from the Reaction 7.5 - 9 MeV/U sup 16 O + sup 64 Ni in the Quasi-Elastic and Deep Inelastic Energy Range.
DE85780310 **15**-*534,973* PC **A04**/MF **A01**

Gamma Spectroscopic Studies of Spherical and Deformed States of the Neutron-Deficient Nuclide sup 71 Se.
DE85780332 **15**-*534,980* PC **A06**/MF **A01**

Sequential Neutron Emission from sup 16 O-Induced Reactions with sup 27 Al and sup 64 Ni at 6 Respectively 12 MeV/U.
DE85780374 **15**-*534,983* PC **A04**/MF **A01**

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

OXYGEN 16 TARGET

Two-Body Weak Axial Charge Density and Nuclear Structure Correlation Effects in the Isovector Transition sup 16 O(O sub 1 +) Reversible sup 16 N(O sub 1-).
DE84702094 **03**-*507,437* PC **A02**/MF **A01**

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DE84702096 **03**-*507,439* PC **A02**/MF **A01**

Measurement of Total Hadronic Photoproduction Cross Section in sup 9 Be, sup 12 C, sup 16 O, sup 64 Cu Nuclei in the Photon Energy Range E = (0.25-2.7) GeV.
DE84702267 **03**-*507,482* PC **A02**/MF **A01**

Meson Exchange Corrections to Nuclear Weak Axial Charge Density in Hard Pion Model and O exp + Reversible O exp - Transition in A = 16 Nuclei.
DE84702293 **03**-*507,497* PC **A02**/MF **A01**

Analytical Folding Potentials and Heavy Ion Interaction.
DE84702860 **09**-*520,323* PC **A02**/MF **A01**

Fusion Cross Sections of the sup 12 C + sup 16 O at E(sup 16 O) Up to 150 MeV.
DE84752025 **09**-*520,431* PC **A02**/MF **A01**

Momentum Space Approach to Microscopic Effects in Elastic Proton Scattering.
DE85001613 **04**-*510,295* PC **A04**/MF **A01**

Spin Distributions in Heavy Ion Fusion at and Below the Coulomb Barrier.
DE85007817 **13**-*530,447* PC **A02**/MF **A01**

Entrance Channel Dependence of Back Angle Yields: Orbiting in sup 24 Mg - sup 16 O Reaction.
DE85007847 **13**-*530,457* PC **A02**/MF **A01**

Proton Inelastic Scattering Cannot Be Predicted from Electron Scattering Results.
DE85700088 **09**-*520,524* PC **A02**/MF **A01**

Off-Energy-Shell Effects in the Elastic Pion-Nucleus Scattering.
DE85700690 **20**-*546,700* PC **A02**/MF **A01**

Study on the Elementary Amplitudes in the sup 12 C(gamma , pi exp -) and sup 16 0(Gamma , pi exp +) Reactions.
DE85700691 **20**-*546,701* PC **A02**/MF **A01**

Quasi Fission - the Mass Drift Mode in Heavy Ion Reactions.
DE85750514 **15**-*534,904* PC **A04**/MF **A01**

Mass Dispersions in a Time-Dependent Mean-Field Approach.
DE85751078 **19**-*544,194* PC **A02**/MF **A01**

Search for a Possible Systematic Trend of Optical Model Parameters from 800 MeV Polarized Protons Elastic Scattering on Light Nuclei.
DE85751212 **25**-*559,619* PC **A02**/MF **A01**

Optical-Model Analysis for 800 MeV Polarized Proton Elastic Scattering from sup 12 C, sup 16 O, sup 18 O, sup 20 Ne and sup 24 Mg, sup 26 Mg.
DE85751236 **24**-*556,865* PC **A02**/MF **A01**

Elastic Scattering of Polarized Deuteron at Intermediate Energies.
DE85751305 **20**-*546,771* PC **A02**/MF **A01**

Inelastic Scattering of Polarized Protons and Nuclear Deformation in sup 16 O, sup 18 O.
DE85751306 **20**-*546,772* PC **A02**/MF **A01**

Coincident Measurement of the Reaction of sup 16 O(pi Sup(+ -), Pi Sup(+ -)'P) at 240 MeV.
DE85780028 **09**-*520,570* PC **A07**/MF **A01**

Study of One-Nucleon Transfer Reactions with Polarized Deuterons of 20 MeV.
DE85780307 **15**-*534,970* PC **A07**/MF **A01**

Spectroscopy of sigma -Hypernuclei.
DE85780655 **15**-*534,994* PC **A04**/MF **A01**

Optical Model Analysis of 0.8 GeV Polarized Proton Elastic Scattering from sup 12 C, sup 16 O, sup 18 O and sup 24 Mg, sup 26 Mg.
DE85780697 **15**-*535,003* PC **A02**/MF **A01**

OXYGEN 17

Kinetics of Oxygen Exchange Between Bisulfite Ion and Water as Studied by Oxygen-17 Nuclear Magnetic Rescnance Spectroscopy.
DE85001866 **09**-*518,902* PC **A11**/MF **A01**

Heats of Formation of Gas Phase Organosulfur Molecules, Radicals and Ions Measured by PEPICO, and Application of exp 17 O and exp 33 S NMR Spectroscopy to Structure Determinations of Organosulfur Compounds. Progress Report, June 1984-March 1985.
DE85010558 **21**-*547,758* PC **A02**/MF **A01**

Sequential Emission of Fast Neutrons from the Reaction 7.5 - 9 MeV/U sup 16 O + sup 64 Ni in the Quasi-Elastic and Deep Inelastic Energy Range.
DE85780310 **15**-*534,973* PC **A04**/MF **A01**

OXYGEN 17 REACTIONS

Crystal Ball Studies of Giant Resonance gamma Decay.
DE85003543 **08**-*518,002* PC **A02**/MF **A01**

OXYGEN 17 TARGET

Quasimolecular Single-Nucleon Effects in Heavy-Ion Collisions.
DE85002562 **06**-*514,176* PC **A02**/MF **A01**

OXYGEN 18

Calculation of Reduced Partition Function Ratios of Isotopically Substituted Molecules on a Quantum Chemical Base. Possibilities and Limitations of the Evaluation of Isotope Effects by Means of the Semiempirical MINDO/3- and MNDO-MO Methods.
DE84702325 **02**-*503,575* PC **A09**/MF **A01**

Particle-Hole Description of GDR States in Light Nuclei with Closed Shells + - 2 Nucleons.
DE84702552 **15**-*534,844* PC **A03**/MF **A01**

Chaos Near the Coulomb Barrier. Nuclear Molecules.
DE85001280 **04**-*510,288* PC **A02**/MF **A01**

OXYGEN 18 REACTIONS

Fusion Excitation Functions at Near- and sub-Coulomb Barrier for Symmetric and Asymmetric Medium-Mass Systems.
DE85751333 **20**-*546,784* PC **A02**/MF **A01**

Cooperative Production of Neutral Pions and High-Energy Photons in Nucleus-Nucleus Collisions at 60-84 MeV/U.
DE85752135 **26**-*561,880* PC **A06**/MF **A01**

OXYGEN 18 TARGET

Neutron Yields from (Alpha,n) Reactions of Importance to Reactors. Final Report.
DE85007528 **13**-*530,436* PC **A02**/MF **A01**

Search for a Possible Systematic Trend of Optical Model Parameters from 800 MeV Polarized Protons Elastic Scattering on Light Nuclei.
DE85751212 **25**-*559,619* PC **A02**/MF **A01**

Optical-Model Analysis for 800 MeV Polarized Proton Elastic Scattering from sup 12 C, sup 16 O, sup 18 O, sup 20 Ne and sup 24 Mg, sup 26 Mg.
DE85751236 **24**-*556,865* PC **A02**/MF **A01**

Inelastic Scattering of Polarized Protons and Nuclear Deformation in sup 16 O, sup 18 O.
DE85751306 **20**-*546,772* PC **A02**/MF **A01**

Study of One-Nucleon Transfer Reactions with Polarized Deuterons of 20 MeV.
DE85780307 **15**-*534,970* PC **A07**/MF **A01**

Optical Model Analysis of 0.8 GeV Polarized Proton Elastic Scattering from sup 12 C, sup 16 O, sup 18 O and sup 24 Mg, sup 26 Mg.
DE85780697 **15**-*535,003* PC **A02**/MF **A01**

OXYGEN 21

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

OXYGEN 22

Direct Mass Measurements in the Light Neutron-Rich Region Using a Combined Energy and Time-of-Flight Technique.
DE85002026 **06**-*514,170* PC **A02**/MF **A01**

OXYGEN ATOMS

LEO Atomic Oxygen Effects on Spacecraft Materials: STS-5 Results.
N84-34506/5 **02**-*505,245* PC **A02**/MF **A01**

Source of Stratospheric NO and N2O.
N85-25956/2 **18**-*539,767* PC **A03**/MF **A01**

Adsorption of O2, SO2, and SO3 on Nickel Oxide. Mechanism for Sulfate Formation.
N85-32175/0 **24**-*555,337* PC **A03**/MF **A01**

OXYGEN BINDING

Design of Model Compounds for Oxygen-Binding Iron Proteins: Iron-Dioxime Systems and Their Reactivity Towards Dioxygen,
PB85-240380 **25**-*557,613* PC **E09**/MF **E01**

OXYGEN CONSUMPTION

CNS (Central Nervous System) Oxygen Toxicity in Closed-Circuit SCUBA Divers.
AD-A146 822/2 **02**-*503,430* PC **A02**/MF **A01**

Relationship between the Army Two Mile Run Test and Maximal Oxygen Uptake.
AD-A153 914/7 **16**-*535,745* PC **A03**/MF **A01**

Analysis of Aerobic Capacity in a Large United States Population.
AD-A156 200/8 **21**-*547,683* PC **A03**/MF **A01**

Perceptual and Physiological Responses during Exercise in Cool and Cold Water.
AD-A157 334/4 **23**-*552,402* PC **A02**/MF **A01**

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PB85-136786 05-*512,093* Not available NTIS

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PB85-857365 11-*523,758* PC **N01**/MF **N01**

OXYGEN ENHANCEMENT RATIO

Role of DNA Repair in the Realization of Oxygen Effect in Escherichia Coli after Irradiation with Ionizing Radiation with Different LET. (Theoretical Analysis). The Determination of Model Parameters.
DE84702663 01-*500,849* PC **A02**/MF **A01**

OXYGEN ENRICHMENT

Development and Demonstration of a Spiral-Wound Thin-Film Composite Membrane System for the Economical Production of Oxygen-Enriched Air. Phase IV. Final Report, January 1, 1983-December 31, 1984.
DE85012380 20-*544,933* PC **A07**/MF **A01**

OXYGEN EQUIPMENT

Leakage into the Navy Oxygen Breathing Apparatus When Worn Over Spectacles.
AD-A147 086/3 02-*503,400* PC **A02**/MF **A01**

Medical Planning Criteria for Implementation of Clinical Hyperbaric Facilities.
AD-A151 001/5 11-*523,847* PC **A04**/MF **A01**

Light-Weight Oxygen Delivery Hood Assembly for Hyperbaric Chamber.
PAT-APPL-6-713 666 17-*537,550* PC **A02**/MF **A01**

OXYGEN GENERATORS

The Effects of Moisture on Molecular Sieve Oxygen Concentrators.
AD-A150 901/7 11-*524,789* PC **A02**/MF **A01**

OXYGEN IONS

Electron Capture by Multiply Charged Ions from Hydrogen Atoms at Low Energies.
DE84016560 02-*503,546* PC **A02**/MF **A01**

Charge Exchange Collision Study Between C exp 6+ , N exp 7+ or O exp 8+ Ions and D sub 2 or He in the KeV Range 14-80; Post-Collisional X Emission Cross Section Measurement.
DE84752138 09-*518,664* PC **A06**/MF **A01**

Spectroscopy of Trapped Molecular Ions. Progress Report, September 1, 1983-August 31, 1984.
DE85000012 06-*513,237* PC **A02**/MF **A01**

Recent Advances in Forward Electron Production Studies in Ion-Atom and Ion-Solid Collisions.
DE85001255 05-*512,494* PC **A02**/MF **A01**

Forward Electron Production in Heavy Ion-Atom and Ion-Solid Collisions.
DE85001256 04-*510,286* PC **A02**/MF **A01**

Negative Ion Detachment Cross Sections. Progress Report, March 1, 1982-February 28, 1985.
DE85001337 04-*508,812* PC **A02**/MF **A01**

Convoy Electron Production by Heavy Ions in Solids.
DE85005256 11-*525,473* PC **A02**/MF **A01**

M-Shell Electron Capture and Direct Ionization of Gold by 25-MeV Carbon and 32-MeV Oxygen Ions.
DE85006923 13-*530,415* PC **A02**

L-Shell X-Ray Production Cross Sections in Nd, Gd, Ho, Yb, Au and Pb for 25-MeV Carbon and 32-MeV Oxygen Ions.
DE85006924 13-*530,416* PC **A02**/MF **A01**

Effect of External Electric Fields on the Dielectronic Recombination Cross Section of Lithium and Sodium Like Ions.
DE85010211 17-*537,654* PC **A04**/MF **A01**

Excitation of Some Alkaline Earth-Like Ions.
DE85010737 18-*540,333* PC **A02**/MF **A01**

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PALESTINE LIBERATION ORGANIZATION

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PALESTINIANS

Understanding the PLO (Palestine Liberation Organization).
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DE85780499 **17**-*538,884* PC **A03**/MF **A01**

PALLADIUM 107

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DE85014217 **24**-*556,818* PC **A02**/MF **A01**

PALLADIUM 109

Investigation on Disordering (PAC-Method) and Diffusion in the Ordered beta -Hume-Rothery-Phase PdIn.
DE85780389 **17**-*538,263* PC **A04**/MF **A01**

Palladium-109 Labeled Anti-Melanoma Monoclonal Antibodies.
PAT-APPL-6-605 439 **21**-*547,534* PC **A02**/MF **A01**

PALLADIUM 110 TARGET

Structure Effects in sup 238 U-Induced Dissipative Collisions.
DE85752012 **25**-*559,629* PC **A02**/MF **A01**

PALLADIUM ALLOYS

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DE84009510 **02**-*504,067* PC **A02**/MF **A01**

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DE84702653 **02**-*503,581* PC **A02**/MF **A01**

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DE84752306 **10**-*522,925* PC **A06**/MF **A01**

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DE85000239 **04**-*509,408* PC **A02**/MF **A01**

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DE85000906 **04**-*510,384* PC **A02**/MF **A01**

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DE85003303 **09**-*520,727* PC **A03**/MF **A01**

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DE85007341 **12**-*527,120* PC **A02**/MF **A01**

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DE85013862 **22**-*551,776* PC **A02**/MF **A01**

Investigation on Disordering (PAC-Method) and Diffusion in the Ordered beta -Hume-Rothery-Phase PdIn.
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PALLADIUM DILICIDES

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AD-A147 721/5 **04**-*510,375* PC **A02**/MF **A01**

PALLADIUM HYDRIDES

Properties and Thermal Stabilities of Amorphous Transition Metal Hydrides.
DE85002117 **09**-*520,725* PC **A02**/MF **A01**

Effects of Hydrogen on Magnetic Properties of Amorphous Zirconium Alloys.
DE85003303 **09**-*520,727* PC **A03**/MF **A01**

Differential Scanning Calorimetry Studies of Amorphous and Crystalline Zr sub 2 PdH/sub X/ and ZrRhH/sub X/.
DE85012574 **20**-*545,458* PC **A03**/MF **A01**

Second Order Elastic Constants of Pd, PdH/sub 0.7/ and PdD/sub 0.7/ Between 1.7 and 50 K.
DE85014316 **24**-*557,023* PC **A02**/MF **A01**

PALLADIUM ISOTOPES

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DE84703233 **20**-*546,632* PC **A03**/MF **A01**

PALLADIUM PHOSPHIDES

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DE84770510 **05**-*511,689* PC **A09**/MF **A01**

PALLADIUM SILICIDES

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DE85016737 **25**-*559,392* PC **A07**/MF **A01**

PALLADIUM TIN YTTRIUM

Effect of Paramagnetic Rare Earth Ions on the Superconducting Transition Temperature of the Heusler Alloy Pd sub 2 YSn.
DE85013862 **22**-*551,776* PC **A02**/MF **A01**

PALLADIUM ZIRCONIUM HYDRIDES

Effects of Hydrogen on Magnetic Properties of Amorphous Zirconium Alloys.
DE85003303 **09**-*520,727* PC **A03**/MF **A01**

PALLETS

Strength and Stiffness Analysis of Notched, Green Oak Pallet Stringers.
AD-A149 579/5 **09**-*519,429* PC **A03**/MF **A01**

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PAT-APPL-6-680 611 **26**-*561,315* PC **A02**/MF **A01**

PALM TREES

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PB85-193795 **16**-*535,334* PC **A04**/MF **A01**

PALMER-BOWLUS FLUMES

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PB85-122745 **04**-*509,692* PC **A04**/MF **A01**

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PALO DURO BASIN

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DE84017026 **02**-*504,702* PC **E04**/MF**$7.25**

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DE85000382 **04**-*508,929* PC **A06**/MF **A01**

Background Radiation in Two Locations in Deaf Smith and Swisher Counties within the Palo Duro Basin.
DE85001435 **09**-*520,061* PC **A04**/MF **A01**

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DE85001439 **09**-*519,992* PC **E03**/MF **A01**

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DE85001704 **05**-*512,274* PC **A04**/MF **A01**

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DE85001725 **06**-*513,365* PC **A09**/MF **A01**

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DE85002662 **08**-*517,524* PC **A08**/MF **A01**

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DE85005858 **12**-*527,770* PC **A04**/MF **A01**

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DE85006272 **11**-*525,144* PC **A07**/MF **A01**

Identification of Sites within the Palo Duro Basin. Volume 2. Palo Duro Location B.
DE85006285 **16**-*536,622* PC **A08**/MF **A01**

Identification of Sites within the Palo Duro Basin. Volume 1. Palo Duro Location A.
DE85006286 **17**-*538,951* PC **A08**/MF **A01**

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DE85006994 **13**-*529,056* PC **A02**/MF **A01**

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DE85007058 **12**-*527,794* PC **A04**/MF **A01**

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DE85007095 **11**-*525,165* PC **A09**/MF **A01**

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DE85007490 **13**-*530,104* PC **A12**/MF **A01**

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DE85007603 **13**-*530,109* PC **A03**/MF **A01**

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DE85009111 **15**-*534,591* PC **A06**/MF **A01**

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DE85009808 **16**-*536,629* PC **A09**/MF **A01**

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DE85010530 **17**-*538,992* PC **A07**/MF **A01**

PALO VERDE-1 REACTOR

Comprehensive Vibration Assessment Program for the Prototype System 80 Reactor Internals. (Palo Verde Nuclear Generating Station Unit 1).
DE84901860 **04**-*510,111* PC **A11**/MF **A01**

Safety Evaluation Report Related to the Operation of Palo Verde Nuclear Generating Station, Units 1, 2, and 3, Docket Nos. STN 50-528, STN 50-529, and STN 50-530, Arizona Public Service Company, et al. Supplement Number 6.
NUREG-0857-SUP-N6 **03**-*507,159* PC **A05**/MF **A01**

Safety Evaluation Report Related to the Operation of Palo Verde Nuclear Generating Station, Units 1, 2, and 3, Docket Nos. STN 50-528, STN 50-529, and STN 50-530, Arizona Public Service Company, et al. Supplement Number 7.
NUREG-0857-SUP-N7 **07**-*515,370* PC **A08**/MF **A01**

Safety Evaluation Report Related to the Operation of Palo Verde Nuclear Generating Station, Units 1, 2, and 3, Docket Nos. STN 50-528, STN 50-529, and STN 50-530, Arizona Public Service Company, et al. Supplement Number 8.
NUREG-0857-SUP-N8 **17**-*539,175* PC **A03**/MF **A01**

Technical Specifications - Palo Verde Nuclear Generating Station, Unit No. 1, Docket No. 50-528, Appendix A to License No. NPF-34.
NUREG-1111 **06**-*514,031* PC **A22**/MF **A01**

Technical Specifications, Palo Verde Nuclear Generating Station, Unit No. 1, Docket No. 50-528. Appendix A to License No. NPF-41.
NUREG-1133 **18**-*541,611* PC **A22**/MF **A01**

PALO VERDE-2 REACTOR

Safety Evaluation Report Related to the Operation of Palo Verde Nuclear Generating Station, Units 1, 2, and 3, Docket Nos. STN 50-528, STN 50-529, and STN 50-530, Arizona Public Service Company, et al. Supplement Number 6.
NUREG-0857-SUP-N6 **03**-*507,159* PC **A05**/MF **A01**

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NUREG-0857-SUP-N7 **07**-*515,370* PC **A08**/MF **A01**

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NUREG-0857-SUP-N8 **17**-*539,175* PC **A03**/MF **A01**

PALO VERDE-3 REACTOR

Safety Evaluation Report Related to the Operation of Palo Verde Nuclear Generating Station, Units 1, 2, and 3, Docket Nos. STN 50-528, STN 50-529, and STN 50-530, Arizona Public Service Company, et al. Supplement Number 6.
NUREG-0857-SUP-N6 **03**-*507,159* PC **A05**/MF **A01**

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NUREG-0857-SUP-N7 **07**-*515,370* PC **A08**/MF **A01**

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NUREG-0857-SUP-N8 **17**-*539,175* PC **A03**/MF **A01**

PAMLICO RIVER ESTUARY

Benthic Nutrient Cycling in the Pamlico River.
PB85-154813 **12**-*526,734* PC **A08**/MF **A01**

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PB85-155703 **10**-*521,562* PC **A06**/MF **A01**

PAMPHLETS

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ED-244 627 **04**-*508,132* Not available NTIS

PANAMA

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PB85-100972 **01**-*500,592* PC **A03**/MF **A01**

Differing Agendas: The Politics of IRD (Integrated Rural Development) Project Design in Panama: IRD Field Report.
PB85-134294 **05**-*510,645* PC **A04**/MF **A01**

Initial Evaluation of Fishery Resources in Panamanian Small Impoundments.
PB85-134773 **05**-*511,004* PC **A04**/MF **A01**

Impact Evaluation of Housing Guaranty Programs in Panama.
PB85-140259 **06**-*513,007* PC **A07**/MF **A01**

PANAMA BASIN

Standing Stock, Vertical Distribution and Flux of Planktonic Foraminifera in the Panama Basin.
AD-A158 117/2 **24**-*555,350* PC **A03**/MF **A01**

PANCREAS

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DE85000006 **06**-*513,174* PC **A03**/MF **A01**

Diagnosis and Surgical Therapy of Pancreas Tumors.
DE85780342 **15**-*533,285* PC **A07**/MF **A01**

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DE85780474 **15**-*533,226* PC **A07**/MF **A01**

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DE85780576 **15**-*533,443* PC **A07**/MF **A01**

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PB85-143477 **06**-*513,082* Not available NTIS

Transplantation of the Pancreas.
PB85-153724 **09**-*518,682* PC **A03**/MF **A01**

PANCREATIC DISEASES

Removal of Gastrinomas for Control of Zollinger-Ellison Syndrome.
AD-A148 299/1 **05**-*511,012* PC **A02**/MF **A01**

PANDALAS JORDANI

Economic Status of the California Pink Shrimp Fishery in 1983.
PB85-108496 **02**-*503,262* PC **A02**/MF **A01**

PANDALUS BOREALIS

Synopsis of Biological Data on the Pink Shrimp, Pandalus borealis Kroeyer, 1838.
PB85-233427 **23**-*552,597* PC **A04**/MF **A01**

PANDALUS PLATYCEROS

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PB85-185510 **17**-*537,752* PC **A03**/MF **A01**

PANDION HALIAETUS

Biology and Management of Bald Eagles and Ospreys.
PB85-115848 **03**-*505,639* PC **E13**/MF **E01**

PANEL BOARDS (ELECTRICITY)

Electromagnetic Inspection of Wire Ropes Using Sensor Arrays.
AD-A150 514/8 **10**-*522,465* PC **A02**/MF **A01**

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Flash X-Ray Facility for the Naval Postgraduate School.
AD-A157 278/3 **23**-*554,246* PC **A02**/MF **A01**

Activities Report in Nuclear Physics and High Energy Physics.
N85-28777/9 **20**-*546,858* PC **A05**/MF **A01**

Betatron Accelerator Having High Ratio of Budker Parameter to Relativistic Factor.
PATENT-4 481 475 **11**-*525,426* Not available NTIS

Major Facilities for Materials Research and Related Disciplines.
PB85-108850 **02**-*502,986* PC **A05**/MF **A01**

Beat-Wave Laser Accelerators, Further Comment Including Note on the 'Surfatron' Concept,
PB85-117224 **03**-*507,381* PC **E03**/MF **E03**

DOE's (Department of Energy) Physics Accelarators: Their Costs and Benefits.
PB85-186583 **16**-*536,796* PC **A06**/MF **A01**

Generation of High Fields for Particle Acceleration to Very High Energies,
PB85-230316 **23**-*554,248* PC **E03**/MF **E03**

PARTICLE BEAM FUSION ACCELERATOR

Electron Beam Propagation Along Charged Foils.
DE85002137 **04**-*510,260* PC **A02**/MF **A01**

Light Ion Sources for ICF.
DE85011544 **20**-*546,065* PC **A02**/MF **A01**

Repetitive Pulse Accelerator Technology for Light Ion Inertial Confinement Fusion.
DE85012030 **20**-*546,079* PC **A02**/MF **A01**

Quality Assurance Considerations for the Implementation of a Pulsed Power R and D Project.
DE85012357 **22**-*550,968* PC **A02**/MF **A01**

Surface Discharges as Intense Photon Sources in the Extreme Ultraviolet.
DE85012593 **22**-*550,970* PC **A02**/MF **A01**

Design and Optimization of the PBFA II Vacuum Interface and Transmission Lines for Light Ion Fusion.
DE85012809 **22**-*550,984* PC **A02**/MF **A01**

Engineering Design for the PBFA-II Pulse Forming Section.
DE85012810 **22**-*550,985* PC **A02**/MF **A01**

Engineering High Reliability, Low-Jitter Marx Generators.
DE85012811 **22**-*551,407* PC **A02**/MF **A01**

Kinetic Loss Experiments on Mite.
DE85012826 **22**-*551,409* PC **A02**/MF **A01**

Operations Considerations in Designing a High Speed Multi-Channel Data Acquisition System.
DE85012840 **21**-*548,824* PC **A02**/MF **A01**

Implementing the Automated Features of the PBFA-I Control/Monitor System.
DE85012841 **21**-*548,825* PC **A02**/MF **A01**

Advances in Data Acquisition System Technology for PBFA II.
DE85012860 **22**-*550,988* PC **A02**/MF **A01**

Supermite Vacuum Interface Design.
DE85012861 **21**-*548,826* PC **A02**/MF **A01**

Important Concepts in the Assembly and Early Characterization of the PBFA II Accelerator.
DE85012864 **22**-*551,410* PC **A02**/MF **A01**

Providing Automated Control for PBFA-II.
DE85012867 **22**-*550,989* PC **A02**/MF **A01**

PBFA-II Vacuum System Design Using a Lumped Parameter Computer Model.
DE85013117 **22**-*551,007* PC **A02**/MF **A01**

PBFA-II Vacuum Insulator Stack Failure Mechanisms.
DE85013118 **22**-*551,008* PC **A02**/MF **A01**

Marx Generator Engineering and Assembly Line Technology for the PBFA II Accelerator.
DE85013141 **25**-*558,905* PC **A02**

XUV Preionization Effects in High Power Magnetically Insulated Diodes.
DE85013142 **22**-*551,009* PC **A02**/MF **A01**

Laser-Trigger System Design for PBFA II.
DE85013144 **22**-*551,010* PC **A02**/MF **A01**

Design Concepts for PBFA-II'S Applied-B Ion Diode.
DE85013145 **22**-*551,011* PC **A02**/MF **A01**

PMEXA: Diagnostic Filtering Program for the PBFA-I Performance Monitoring and Evaluation System.
DE85013179 **21**-*548,831* PC **A05**/MF **A01**

Photon Diagnostics Leading to an Improved Marx.
DE85013434 **22**-*551,457* PC **A02**/MF **A01**

PBFA-II Insulator Stack Design from an Engineering Viewpoint.
DE85013437 **22**-*551,015* PC **A02**/MF **A01**

Photoactivation of PBFA-II.
DE85013439 **22**-*551,016* PC **A02**/MF **A01**

Sulfur Hexafluoride Reprocessing System Design for a Large Pulsed Power Accelerator.
DE85013756 **22**-*551,026* PC **A02**/MF **A01**

Multimegavolt Voltage Measurements in a PBFA II Prototype Water Line Using the Electro-Optic Kerr Effect.
DE85013781 **22**-*551,029* PC **A02**/MF **A01**

Large Scale Operational Pulsed Power Research Facilities; How Well Have We Made Them a Reality.
DE85013784 **22**-*551,465* PC **A02**/MF **A01**

PBFA-II Energy Storage System Configuration and Characteristics.
DE85013786 **22**-*551,030* PC **A02**/MF **A01**

Cascade Switch Implementation on PBFA I.
DE85013955 **25**-*558,907* PC **A02**/MF **A01**

PBFA II: A 100 TW Pulsed Power Driver for the Inertial Confinement Fusion Program.
DE85013956 **24**-*556,241* PC **A02**/MF **A01**

Rimfire: A Six Megavolt Laser-Triggered Gas-Filled Switch for PBFA II.
DE85013959 **24**-*556,242* PC **A02**/MF **A01**

Comparison of Energy Transport Measurements and Computer Simulations in a Single Module Prototype for PBFA II.
DE85013960 **24**-*556,243* PC **A02**/MF **A01**

Characteristics of a Laser Plasma as an Ion Source for a Driver of Heavy-Ion Inertial-Confinement Fusion.
DE85700648 **20**-*546,093* PC **A02**/MF **A01**

PARTICLE BEAM WEAPONS

Proportional-Plus-Integral Controller for a Particle Beam Weapon.
AD-A153 213/4 **15**-*534,434* PC **A06**/MF **A01**

PARTICLE BEAMS

Charged Beam Injection Experiments in Space.
AD-A147 573/0 **03**-*505,398* PC **A02**/MF **A01**

Exposure Modelling of Particle Beam Lithography,
AD-A147 849/4 **04**-*509,761* PC **A03**/MF **A01**

Instrumentation for Particle-Beams Research Using Laser Excited Merging Beams.
AD-A147 968/2 **04**-*508,744* PC **A02**/MF **A01**

Radio Frequency Quadrupole and Alternating Phase Focusing Methods Used in Proton Linear Accelerator Technology in the USSR.
AD-A150 830/8 **11**-*525,386* PC **A05**/MF **A01**

Restrike Particle Beam Experiments on a Dense Plasma Focus. Opening Switch Research on a Dense Plasma Focus.
AD-A152 991/6 **15**-*535,022* PC **A04**/MF **A01**

Production of Neutral Beams from Negative Ion Beam Systems in the USSR.
AD-A157 109/0 **23**-*554,244* PC **A06**/MF **A01**

Soviet Research on Crystal Channeling of Charged Particle Beams.
AD-A157 353/4 **23**-*554,161* PC **A04**/MF **A01**

Force Balance Limiting Current for Charged Particle Beams.
DE84016976 **02**-*504,924* PC **A02**/MF **A01**

Statistical Phenomena in Particle Beams.
DE85001050 **06**-*514,114* PC **A03**/MF **A01**

Relation Between Field Energy and RMS Emittance in Intense Particle Beams.
DE85012655 **22**-*551,380* PC **A02**/MF **A01**

Suppression of Tilting Instability of a Compact Torus by Energetic Particle Beams.
N85-22157/0 **14**-*532,671* PC **A03**/MF **A01**

Studies in Mixed Species Charged Particle Beam Dynamics.
N85-31969/7 **23**-*552,525* PC **A08**/MF **A01**

PARTICLE BOARDS

Preservation of Wooden Boards.
PB85-198133 **18**-*540,889* PC **E04**/MF **E01**

Particle Board - Technological Process and Some Properties.
PB85-223972 **22**-*550,504* PC **E03**/MF **A01**

Paper, Textiles, and Board Flameproofing. 1979-1982 (Citations from the Institute of Paper Chemistry Data Base).
PB85-851350 **03**-*506,415* PC **N01**/MF **N01**

Paper, Textiles, and Board Flameproofing. 1983-November, 1984 (Citations from the Institute of Paper Chemistry Data Base).
PB85-851368 **03**-*506,416* PC **N01**/MF **N01**

Particle Board Binders: Composition and Manufacture. 1972-1984 (Citations from the Institute of Paper Chemistry Data Base).
PB85-853034 **04**-*509,351* PC **N01**/MF **N01**

PARTICLE BOOSTERS

BSF Control System.
DE84702030 **11**-*525,387* PC **A03**/MF **A01**

Tests of beta = 0.1 and Development of beta = 0.2 Lead Plated Quarter Wave Resonators.
DE85007819 **14**-*532,607* PC **A02**/MF **A01**

Cryogenic System for the University of Washington Superconducting Booster.
DE85010604 **20**-*546,536* PC **A02**/MF **A01**

University of Washington Superconducting Booster Linac.
DE85017418 **26**-*561,762* PC **A02**/MF **A01**

PARTICLE COLLISIONS

Electron Collision Processes in Molecular Gases.
AD-A146 078/1 **01**-*500,994* PC **A02**/MF **A01**

Fine-Structure Transitions in Collisions of Mg(3s3p 3p) with He.
AD-A146 389/2 **01**-*501,020* Not available NTIS

Theoretical Studies Relating to the Interaction of Radiation with Matter: Atomic Collision Processes Occurring in the Presence of Radiation Fields.
AD-A146 854/5 **02**-*503,508* PC **A07**/MF **A01**

Theoretical Studies of Rydberg Atom Collisions.
AD-A148 558/0 **05**-*511,218* PC **A02**/MF **A01**

Multiphoton Photochemical and Collisional Effects during Oxygen Atom Flame Detection.
AD-A148 783/4 **06**-*513,230* PC **A02**/MF **A01**

The Use of an Independent Boson Model to Study the Dynamic Effects of Electron Excitations by a Particle Colliding with a Metal Surface.
AD-A152 886/8 **15**-*533,491* PC **A02**/MF **A01**

Representation of the Fokker-Plank Collision Term for Coulomb Interaction as Series of Legendre Polynomials.
N84-35006/5 **02**-*505,050* PC **A03**/MF **A01**

Numerical Simulations of Collisions in Self-Gravitating Systems.
N84-35237/6 **02**-*502,889* PC **A03**/MF **A01**

Su(2) X U(1) Vacuum and the Centauro Events.
N85-17926/5 **11**-*523,376* PC **A02**/MF **A01**

New Experimental Results in Two Photon Physics.
N85-28776/1 **20**-*546,857* PC **A02**/MF **A01**

Multiple Collision Solutions for Time-Dependent Neutron Transport in Slabs of Finite Thickness.
N85-33762/4 **26**-*561,883* PC **A03**/MF **A01**

Numerical Methods for Asymptotic Solutions of Scattering Equations.
PB85-100279 **01**-*501,087* Not available NTIS

PARTICLE COUNTERS

Evaluation of a High Pressure Proportional Counter for the Detection of Radioactive Noble Gases.
AD-A154 436/0 **17**-*538,892* PC **A05**/MF **A01**

PARTICLE DATA REDUCTION SYSTEM

PADRE (Particle Data Reduction): A Computerized Data Reduction System for Cascade Impactor Measurements.
PB85-193720 **16**-*535,480* Not available NTIS

PARTICLE DECAY

Theoretical Basis and Phenomenology of the OZI Rule.
DE84703359 **09**-*520,372* PC **A02**/MF **A01**

Report of the Working Group on CP Violation and Rare Decays.
DE85003470 **08**-*518,001* PC **A02**/MF **A01**

Observations of New Cabibbo Suppressed Decays of the D Meson.
DE85011215 **19**-*544,147* PC **A08**/MF **A01**

Muon Decay.
DE85012590 **24**-*556,787* PC **A02**/MF **A01**

Psi Yields Gamma Gamma V and M1 Radiative Decays of Iota(1440) and QQG Hybrid Mesons,
PB85-117331 **03**-*507,614* PC **E03**/MF **E03**

Ratio Gamma (B Yields Dl(nu))/Gamma (B Yields (D star)l(nu)) in the Quark Model,
PB85-117745 **03**-*507,621* PC **E03**/MF **E03**

Nucleon Decay in Supersymmetric Models Via Gluino Dressed Graphs,
PB85-117810 **03**-*507,622* PC **E03**/MF **E03**

Current State of Nucleon Decay Experiments,
PB85-159556 **10**-*523,039* PC **E03**/MF **E03**

Observations of a Very Long-Lived (D bar, sup 0) Decay to Kappa(+) pi(+) pi(-) pi(-) with a Proper Flight Time of 55 x 10 to the -13 power Seconds,
PB85-186088 **16**-*536,847* PC **E03**/MF **E03**

PARTICLE DENSITY (CONCENTRATION)

Development of Particle Sizing for Highly Concentrated Colloidal Dispersions Using Photon Correlation Spectroscopy.
N84-33553/8 **01**-*501,974* PC **A08**/MF **A01**

Development of a Source PM10 Sampling Train Using Emission Gas Recycle (EGR).
PB85-198109 **18**-*541,343* PC **A02**/MF **A01**

PARTICLE DIFFUSION

Theory of Oriented Nucleation with Asymmetric Single Elements. 2 Effects of Rotational Diffusion.
N85-22179/4 **14**-*531,512* PC **A03**/MF **A01**

PARTICLE DISCRIMINATION

Method for Selecting Interactions on Carbon During Propane Chamber Irradiation by Light Nuclei.
DE84703015 **03**-*507,565* PC **A02**/MF **A01**

PARTICLE FLUX DENSITY

Rocket Observations of the Ionosphere during the Eclipse of 26 February 1979.
N85-21850/1 **14**-*530,914* PC **A16**/MF **A01**

PARTICLE-HOLE MODEL

Pairing Correction of Particle-Hole State Densities for Two Kinds of Fermions.
DE85011549 **20**-*546,648* PC **A02**/MF **A01**

Particle-Hole Random-Phase-Approximation with Good Isospin.
DE85700554 **18**-*541,773* PC **A02**/MF **A01**

Spectra of Nuclei in the Lead Region in the Framework of the RPA with OBE-G-Matrix Interactions.
DE85751877 **26**-*561,848* PC **A09**/MF **A01**

PARTICLE IDENTIFICATION

SCAMPI-a Fortran Program Simulating Charge and Mass Particle Identification.
DE85700146 **09**-*520,544* PC **A02**/MF **A01**

Table Methods for Event Identification on the Base of Arithmetic Criteria.
DE85781319 **25**-*559,020* PC **A03**/MF **A01**

PARTICLE IN CELL TECHNIQUE

Moments in Particle-in-Cell Simulations.
DE85010792 **18**-*541,727* PC **A02**/MF **A01**

PARTICLE INDUCED X RAY EMISSION ANALYSIS

Particle Induced X-Ray Emission Analysis and Complementary Techniques for Examination of Aerosols in the Environment of Industrial Workers.
DE85700343 **17**-*537,665* PC **A02**/MF **A01**

PARTICLE INTERACTIONS

Diffraction: What Do We Know; What Can We Learn.
DE85004870 **11**-*525,461* PC **A02**/MF **A01**

Theory of High Energy Collision Processes. Technical Progress Report, January 1, 1984-December 31, 1984.
DE85010183 **18**-*541,748* PC **A02**/MF **A01**

Should We Expect Large Polarization Effects at High Energies.
DE85011499 **22**-*551,513* PC **A02**/MF **A01**

Current Experiments in Elementary Particle Physics. Revision 1-85.
DE85011513 **18**-*541,766* PC **E03**/MF **A01**

Algorithmic Approach to Interactions of Elementary Particles.
DE85701184 **20**-*546,738* PC **A02**/MF **A01**

Relativistic Quantum Mechanics of Two Interacting Spinless Particles.
DE85751192 **25**-*559,759* PC **A04**/MF **A01**

Messung Differentieller Streuquerschnitte fuer die Anregung Magnetischer Unterniveaus bei Stoessen von Kalium MIT Quecksilber (Measurement of Magnetic Sublevel Differential Scattering Cross Sections for Potassium and Mercury).
N85-10815/7 **03**-*505,889* PC **A06**/MF **A01**

Wave/Particle Interactions in the Plasma Sheet.
N85-32072/9 **23**-*552,024* PC **A02**/MF **A01**

Stochastic Dynamics Simulation of Particle Aggregation.
PB85-140960 **06**-*513,266* Not available NTIS

PARTICLE MASS

Basic Concept of Particle Rest Mass in a Quantized Relativistic Universe.
N84-34306/0 **01**-*502,590* PC **A03**/MF **A01**

Systematics of Quark Mass Matrices in the Standard Electroweak Model.
N85-31972/1 **23**-*554,259* PC **A02**/MF **A01**

Does Low-Energy Physics Depend on the Potential of a Heavy Higgs-Particle.
N85-33763/2 **26**-*561,884* PC **A02**/MF **A01**

PARTICLE MODELS

Metastable Vacuum Burning Phenomenon.
DE84701679 **03**-*505,371* PC **A02**/MF **A01**

Centrifugal Effects in Skyrmeons.
DE85006122 **13**-*530,393* PC **A02**/MF **A01**

Light Fermion Mass Hierarchies in Supersymmetric Models.
DE85007837 **13**-*530,518* PC **A02**/MF **A01**

PARTICLE MOTION

Effects of Neutrals on Particle Transport of a Plasma.
N84-34274/0 **01**-*502,570* PC **A02**/MF **A01**

Wall Effects on the Slow Steady Motion of a Particle in a Viscous Incompressible Fluid.
N85-12327/1 **06**-*514,083* PC **A03**/MF **A01**

Dynamic Compression and Volatile Release of Carbonates.
N85-12504/5 **06**-*513,369* PC **A03**/MF **A01**

Partikelmitfuehrung in Einem Kompressiblen Wirbel (Particle Entrainment in a Compressible Vortex).
N85-13192/8 **07**-*515,532* PC **A02**/MF **A01**

Widerstandsbestimmung von Frei Fliegenden Partikeln in Ueberschallstroemungen MIT Einem Gepulsten Laser (Determination of the Drag of Free Flying Particles in Supersonic Flow with a Pulsed Laser).
N85-21129/0 **14**-*530,753* PC **A02**/MF **A01**

Experimentelle und Theoretische Untersuchung der Partikelbewegung in Einem Kompressible Wirbel (Experimental and Theoretical Investigation of the Motion of Particles in a Compressible Vortex).
N85-24264/2 **17**-*539,308* PC **A04**/MF **A01**

PARTICLE PRECIPITATION

Current Carriers for the Field-Aligned Current System.
N85-17925/7 **11**-*523,375* PC **A02**/MF **A01**

Ionospheric Research at INPE.
N85-19556/8 **13**-*528,417* PC **A02**/MF **A01**

Upper Atmosphere Research at INPE.
N85-19557/6 **13**-*528,418* PC **A02**/MF **A01**

Study of the Generation Mechanisms of High Latitude and Equatorial F-Region Irregularities Using de-2 Data.
N85-27423/1 **19**-*542,231* PC **A03**/MF **A01**

PARTICLE PRODUCTION

Inclusive Hadron Production and Two Particle Correlations in e exp + e exp - Annihilation at 29 GeV Center-of-Mass Energy.
DE85009956 **17**-*539,391* PC **A06**/MF **A01**

W And Q exp 2 Dependence of Fragmentation Functions as Measured in Leptoproduction.
DE85750517 **20**-*546,754* PC **A02**/MF **A01**

Emission Mechanisms in the Liquid Metal Ion Source: A Review.
N85-12675/3 **06**-*513,254* PC **A04**/MF **A01**

Two Phases of Neutron Production in the Poseidon Plasma Focus.
N85-18783/9 **12**-*527,702* PC **A02**/MF **A01**

Preparation of Polystryene Latex Particles in a Rotating Reactor.
N85-28108/7 **20**-*545,550* PC **A02**/MF **A01**

Topics in Intermediate Vector Boson Physics.
N85-29743/0 **21**-*549,120* PC **A05**/MF **A01**

PARTICLE RESUSPENSION

Wind Resuspension of Trace Amounts of Plutonium Particles from Soil in a Semi-Arid Climate.
DE85003910 **09**-*520,073* PC **A02**/MF **A01**

HS and E (Health Safety and Environment) Application Technology Branch at Rocky Flats Plants. Progress Report, July 1982-July 1983.
DE85007134 **13**-*530,165* PC **A04**/MF **A01**

Wind and Saltation Driven Particle Resuspension in a Wind Tunnel.
DE85009632 **18**-*539,796* PC **A02**/MF **A01**

PARTICLE SIZE

Particle Size Distribution on Surfaces in Clean Rooms.
AD-A146 057/5 **01**-*500,992* PC **A03**/MF **A01**

Distribution of Average Particle Diameters for Three Lots of Nitroguanidine as Measured by the Fisher Sub-Sieve Sizer.
AD-A148 785/9 **06**-*513,907* PC **A03**/MF **A01**

Study of Submicron Particle Size Distributions by Laser Doppler Measurement of Brownian Motion.
AD-A149 139/8 **08**-*518,183* PC **A04**/MF **A01**

Comparative Measurements Using Different Particle Size Instruments.
AD-A149 867/4 **09**-*519,794* Not available NTIS

Droplet Sizing Research.
AD-A151 104/7 **12**-*528,103* PC **A04**/MF **A01**

Particle Shape Characterization.
AD-A151 981/8 **13**-*529,944* PC **A05**/MF **A01**

Particle Sizing from Forward Scattered Light at Two Angles Using a Variable-Focal-Length Optical System.
AD-A154 164/8 **17**-*538,675* PC **A03**/MF **A01**

Particle Sizing in a Solid Rocket Motor Using the Management of Scattered Light.
AD-A156 480/6 **21**-*549,249* PC **A04**/MF **A01**

Analysis of Particulates in the Exhaust Plume of a J52-P3 Turbojet Engine at Military Power.
AD-A157 840/0 **24**-*557,182* PC **A03**/MF **A01**

Improved Methods to Invert the Particle Size Distribution Function from Mie Scattering Measurements.
AD-B080 654/7 **14**-*532,601* PC **A03**/MF **A01**

Evaluation of the Microtrac (SPA) for Particle Size Analysis of Superfine Materials,
AD-P004 438/8 **12**-*527,865* PC **A02**/MF **A01**

Comparison of Laser-Light Diffraction Method with Other Methods of Analyzing the Particle Size Distribution in Suspensions of Latex, Pollen, and Quartz, and in Suspended Particulate Matter in River Water.
DE83751318 **10**-*522,467* PC **A03**/MF **A01**

Ultrasonic Dispersion of Soils for Routine Particle Size Analysis: Recommended Procedures.
DE85005530 **12**-*526,866* PC **A02**/MF **A01**

Particle Size Distributions Formed by Atmospheric Hydrolysis of Uranium Hexafluoride.
DE85006981 **13**-*530,164* PC **A03**/MF **A01**

Mathematical Modeling of Two-Stage Classification. Volume 1. Project Results; Volume 2. Background Information. Progress Report.
DE85015423 **25**-*558,622* PC **A07**/MF **A01**

Unified Theory for Predicting Maximum Fluid Particle Size for Drops and Bubbles.
NUREG/CR-4026 **03**-*507,304* PC **A03**/MF **A01**

Controle Holographique des Particules Emises par l'Injecteur TSI 3050 (Holographic Control of Particles Emitted by the TSI 3050 Injector).
PB85-137313 **06**-*513,256* PC **E03**/MF **E03**

Review of Ultrahigh Resolution Sizing of Single Droplets by Resonance Light Scattering.
PB85-141463 **06**-*513,932* Not available NTIS

Investigations in Array Sizing. Part 1. Accuracy of the Sizing Process.
PB85-151637 **07**-*515,250* Not available NTIS

Development of a One-Micrometer-Diameter Particle Size Standard Reference Material,
PB85-179091
12-*526,719*
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Development of a Source PM10 Sampling Train Using Emission Gas Recycle (EGR).
PB85-198109 **18**-*541,343* PC **A02**/MF **A01**

Protocol for Size-Specific Emission Measurements (SIM-5) Applied to PM(10).
PB85-200194 **18**-*541,345* PC **A02**/MF **A01**

Soot Particle Measurements in Diffusion Flames.
PB85-205698 **19**-*544,341* Not available NTIS

Emission Inventory for Urban Particle Model Validation in the Philadelphia AQCR (Air Quality Control Region).
PB85-207611 **18**-*541,186* PC **A99**/MF **A01**

Preliminary Assessment of the 10 Micrometer Particulate Sampling at Eight Locations in the United States.
PB85-220341 **20**-*546,009* PC **A02**/MF **A01**

Particle Sizing by the Aid of Whisker Collectors,
PB85-231421 **23**-*553,702* PC **E04**/MF **E04**

PARTICLE SIZE CLASSIFIERS

Screening Machines for Material Which is Difficult to Screen.
DE85770178 **12**-*528,227* PC **A02**/MF **A01**

PARTICLE SIZE DISTRIBUTION

Development of Holographic Particle Field Data Reduction by Fourier Analysis.
AD-A148 684/4 **06**-*513,903* PC **A05**/MF **A01**

Development of Particle Sizing for Highly Concentrated Colloidal Dispersions Using Photon Correlation Spectroscopy.
N84-33553/8 **01**-*501,974* PC **A08**/MF **A01**

GASP Cloud- and Particle-Encounter Statistics and Their Application to LPC Aircraft Studies. Volume 1: Analysis and Conclusions.
N84-34828/3 **02**-*502,939* PC **A05**/MF **A01**

Milling of Si3N4 with Si3N4 Hardware.
N85-10191/3 **03**-*506,747* PC **A02**/MF **A01**

Laser Doppler Anemometry (LDA) Signal Triggering and Effective Particle Size Range.
N85-20290/1 **14**-*532,579* PC **A02**/MF **A01**

Research Study of Droplet Sizing Technology Leading to the Development of an Advanced Droplet Sizing System.
N85-21604/2 **14**-*532,268* PC **A05**/MF **A01**

Recent Trends in Particle Size Analysis Techniques.
N85-22645/4 **15**-*534,377* PC **A03**/MF **A01**

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Studies of Optical-Beam Phase-Conjugation by Nonlinear Refraction.
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Use of Optical Phase Conjugation for Understanding Basic Material Properties,
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19-*544,085*
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PHASE CONTROL

Method and Apparatus for Self-Calibration and Phasing of Array Antenna.
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PHASE DETECTORS

Double Reference Pulsed Phase Locked Loop (Drp-2L-2).
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Maser Cavity Servo-Tuning System.
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PHASE DIAGRAM

Effect of Water Upon the Critical Points of Carbon Dioxide and Ethane.
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PHASE DIAGRAMS

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Phase Diagram of Polymer Blends Containing Block Copolymers.
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Application of Computer Methods for Calculation of Multicomponent Phase Diagrams of High Temperature Structural Ceramics.
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Diagrams of Chemical and Electrochemical Equilibria in the Presence of Oxygen and Sulphur.
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Time-Temperature-Transformation (TTT) Diagrams of High T(g) Epoxy Systems: Competition between Cure and Thermal Degradation.
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Feasibility of Ab Initio Calculations of Ordering Alloy Phase Diagrams.
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Phase Diagram and Dynamical Behavior of Aggregated Diethylhexyl Phosphate Solutions.
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Mathematical Models for the Boiling Diagram of the Ideal Two-Component Mixture.
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Phase Diagram Sample Preparation.
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Phase Diagram of Water Based on a Lattice Model.
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Phase Equilibria of Stored Chemical Energy Reactants.
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Revised ThO2-Nb2O5 Phase Diagram.
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Dependence of the Phase Diagram on the Coupling Parameters in Water-Lattice Models.
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PHASE LOCK DEMODULATORS

Phase-Locked Loops for Optical Homodyne Detection. Volume 1.
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Phase Locked Loops for Optical Homodyne Detection. Volume 2.
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Ring Local Area Networks - A Strategy for Choosing the Phase Locked Loop Class for Data Repeaters,
PB85-117752 **03**-*506,896* PC **E04**/MF **E04**

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PHASE LOCKED SYSTEMS

Experimental Performance of a Frequency Measurement Circuit.
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Sintetizador/Modulador FM de 1200 Canais Para Tranamissao Scpc de Sinais de Voz Por Satelite (FM Synthesizer-Modulator with 1200 Channels for SCPC Transmission of Voice Signals by Satellite).
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Timing Performance of Phased-Locked Loops in Optical Pulse Position Modulation Communication Systems.
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Processing Circuit with Asymmetry Corrector and Convolutional Encoder for Digital Data.
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Phase Locked Loop Synchronization for Direct Detection Optical PPM (Pulse Position Modulation) Communication Systems.
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Phase-Locked Loops for Optical Homodyne Detection. Volume 1.
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Phase Lock Acquisition System.
PAT-APPL-6-617 668 **23**-*552,880* PC **A02**/MF **A01**

Apparatus for Non-Destructive Inspection of Blind Holes.
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Double Reference Pulsed Phase Locked Loop (Drp-2L-2).
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Dielectric Resonator Stabilized Microstrip Oscillator.
PAT-APPL-6-721 834 **17**-*537,901* PC **A02**/MF **A01**

Phase-Lock Fiber Optic Interferometer.
PATENT-4 486 657 **14**-*532,276* Not available NTIS

High Sensitivity Millimeter-Wave Measurement Apparatus.
PATENT-4 510 622 **23**-*552,864* Not available NTIS

Sample Data Phase Locked Loop for Adaptive Doppler Tracker.
PATENT-4 513 429 **23**-*552,882* Not available NTIS

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PHASE MEASUREMENT

Accurate Baseline Determination by Radio Interferometry on NAVSTAR GPS Satellite Transmissions.
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Sampling Phasemeter Design for Pulsed Continuous Wave Signals.
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Amplitude and Phase Modulation in Fin-Lines Electrical Tuning.
PATENT-4 506 234 **24**-*555,478* Not available NTIS

P1 Polyphase Code Expander-Compressor.
PATENT-4 513 289 **24**-*556,226* Not available NTIS

Performance of Modem for Digital Phase Modulation,
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Digitally Phase Modulated (DPM) Signals,
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PHASE SEPARATION

Phase Separation in Polyurethanes - A Deuterium NMR Study.
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PHASE SHIFT

Phase and Amplitude Functions for Long-Range Potentials Which Admit the Separation of Variables in the Schroedinger Equation in Extracted Spheroidal Coordinates.
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PHASE SHIFT CIRCUITS

Coplanar Schottky Variable Phase Shifter.
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Phase Shifter Study.
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Electrooptical RF Phase Shifter for Antenna Applications.
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Wavelength Multiplexer-Demultiplexer.
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Low Sidelobe Phased Array Antenna System.
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Real-Time Estimation of Amplitude and Group Delay Distortion in a PSK Line-of-Sight Communications Channel.
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Experimental Evaluation of a New Form of M-ary (M= 8) Phase Shift Keying Including Design of the Transmitter and Receiver.
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Brief Investigation of Adaptive Decision Feedback Equalization for Digital HF Links Employing PSK (Phase Shift Keying) Modulation.
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Transmission Analysis for the Use of 2-4 PSK (Phase Shift Keying) Modulation in Satellite Broadcasting.
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Development of a 20 Ghz Modulator for the Payload of a Satellite for Propagation and Transmission Experiments, Including the Required Converters of the Test Equipment.
N85-20004/6 **14**-*532,384* PC **A05**/MF **A01**

Serial Minimum Shift Keying (SMSK) Follow-on Study.
N85-31083/7 **23**-*553,764* PC **A05**/MF **A01**

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PB85-129021 **05**-*511,264* Not available NTIS

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Results of Some Testing of an EOS (Equation-of-State) Phase Behaviour Package,
PB85-122984 **04**-*508,844* PC **E05**/MF **E05**

Critical Dilemma of Dilute Mixtures.
PB85-140648 **05**-*511,315* Not available NTIS

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PB85-192870 **16**-*536,111* PC **E07**/MF **E07**

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Gels.
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Research in Phase Transfer Catalysis.
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The Transformation of Liquid to Amorphous Solid. Effect of Reaction Mechanism on the Time to Vitrify for Linear and Network Polymerization.
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Phase Separation in Polyurethanes - A Deuterium NMR Study.
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Research on the Kinetics of Phase Changes in Solids.
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N85-11148/2 **04**-*510,180* PC **A03**/MF **A01**

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N85-11958/4 **04**-*508,028* PC **A02**/MF **A01**

Metal-Nonmetal Transitions in n-Doped Many-Valley Si and Ge.
N85-19848/9 **13**-*530,554* PC **A02**/MF **A01**

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N85-20041/8 **14**-*531,869* PC **A09**/MF **A01**

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N85-22665/2 **15**-*535,121* PC **A14**/MF **A01**

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N85-24243/6 **17**-*538,277* PC **A02**/MF **A01**

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PB85-868313 **23**-*554,242* PC **N01**/MF **N01**

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Lithium Insertion Into Beta-MnO2 and the Rutile-Spinel Transformation.
AD-A148 356/9 **05**-*511,202* PC **A02**/MF **A01**

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Phase Velocity and Loss Coefficient of Optical Fibers Viewed as Stiff Strings,
PB85-114825
05-*512,449*
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PHASED ARRAY ANTENNA SYSTEM

Low Sidelobe Phased Array Antenna System.
PATENT-4 489 324 **11**-*524,929* Not available NTIS

PHASED ARRAYS

Array Sidelobes, Error Tolerance, Gain, and Beamwidth.
AD-A147 004/6 **02**-*503,852* PC **A02**/MF **A01**

Simultaneous Nulling in the Sum and Difference Patterns of a Monopulse Antenna.
AD-A147 468/3 **03**-*506,216* PC **A02**/MF **A01**

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AD-A147 883/3 **04**-*509,172* PC **A03**/MF **A01**

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AD-A148 940/0 **07**-*514,861* PC **A02**/MF **A01**

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AD-P004 608/6 **17**-*537,984* PC **A03**/MF **A01**

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AD-P004 609/4 **17**-*537,985* PC **A02**/MF **A01**

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AD-P004 610/2 **17**-*537,986* PC **A02**/MF **A01**

Sheet Metal Waveguide Forming Technique,
AD-P004 612/8 **17**-*537,988* PC **A02**/MF **A01**

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N85-15943/2 **10**-*522,003* PC **A02**/MF **A01**

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Methylene Blue-Mediated Hexose Monophosphate Shunt Stimulation in Human Red Blood Cells In vitro: Independence from Intracellular Oxidative Injury.
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Functionalized Vesicles as Organic Reagents.
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A Protease Mimic with Turnover Capabilities.
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Polymerization and Halogen Scrambling Behavior of Phenyl-Substituted Cyclotriphosphazenes.
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Iron-Containing Metallophosphazenes and their Clusters Derived from Chlorophosphazenes and Organometallic Dianions.
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(Vinyloxy)Chlorocyclotriphosphazenes.
PAT-APPL-6-605 317 **08**-*516,358* PC **A02**/MF **A01**

PHOSPHAZENE/DIMETHYLAMINO-PENTAFLUORO

Organophosphazenes. 18. Friedel-Crafts Phenylation Reactions of Alkyl and Dimethylamino Fluorocyclotriphosphazenes.
AD-A150 595/7 **10**-*521,705* PC **A02**/MF **A01**

PHOSPHAZENES/AMINO

Reactions between Alkyl Grignard Reagents and Aminophosphazenes Synthesis of Alkyl-chloro-cyclotriphosphazenes.
AD-A146 283/7 **01**-*500,948* PC **A03**/MF **A01**

PHOSPHIDES

Vaporization Behavior, Phase Equilibria, and Thermodynamic Stabilities of Nickel Phosphides.
AD-A146 683/8 **01**-*501,043* PC **A02**/MF **A01**

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Mutagenic Potential of: 4-Nitrophenyl Dimethyl Phosphinate (TA007) using the Sex-Linked Recessive Lethal Test in Drosophila melanogaster.
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Acute Oral Toxicity (LD50) of 4-Nitrophenyl Monochloromethyl (Phenyl) Phosphinate (TA009) in Male Rats.
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New Dialkylamino Derivatives of Trivalent Phosphorus.
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Synthesis and Reactivity of (Bis(trimethylsilyl)Methylene)(Mesityl)Phosphine.
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Some Addition and Complexation Reactions of a Silylated Amino(Methylene)Phosphine.
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Synthesis of Some Highly Silylated Aminophosphines and Their Reactions with Carbon Tetrachloride.
AD-A149 066/3 **07**-*514,684* PC **A03**/MF **A01**

Tetraborane(8) Adducts of Strongly Basic Phosphines.
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AD-A153 392/6 **15**-*533,542* Not available NTIS

The Formation of P(III) Products from Phosphinamides with Silicon Hydrides.
AD-A153 393/4 **15**-*533,543* Not available NTIS

Photochemical Generation of Bis(Phosphine)Palladium and Bis(Phosphine)Platinum Equivalents.
AD-A158 463/0 **25**-*558,016* PC **A02**/MF **A01**

PHOSPHINE/AMINO (METHYLENE)-SILYL

Some Addition and Complexation Reactions of a Silylated Amino(Methylene)Phosphine.
AD-A149 042/4 **07**-*514,683* PC **A03**/MF **A01**

PHOSPHINE/BIS (TRIMETHYLSILYL)AMINO

Synthesis of Some Highly Silylated Aminophosphines and Their Reactions with Carbon Tetrachloride.
AD-A149 066/3 **07**-*514,684* PC **A03**/MF **A01**

PHOSPHINE/BIS (TRIMETHYLSILYL)MEHTYL

Synthesis of Some Highly Silylated Aminophosphines and Their Reactions with Carbon Tetrachloride.
AD-A149 066/3 **07**-*514,684* PC **A03**/MF **A01**

PHOSPHINE/ (BIS (TRIMETHYLSILYL)METHYLENE) (MESITYL)

Synthesis and Reactivity of (Bis(trimethylsilyl)Methylene)(Mesityl)Phosphine.
AD-A148 803/0 **06**-*513,213* PC **A03**/MF **A01**

PHOSPHINE OXIDE/CARBAMOYL-METHYLENE

Bifunctional Organophosphorus Liquid-Liquid Extraction Reagents: Development and Applications.
DE85004970 **11**-*523,931* PC **A02**/MF **A01**

PHOSPHINE OXIDE/TRIPHENYL

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AD-A154 545/8 **18**-*540,299* PC **A02**/MF **A01**

The Hydrolysis of Bromodifluoromethyltriphenylphosphonium Bromide.
AD-A154 576/3 **18**-*540,305* PC **A02**/MF **A01**

PHOSPHINE/TRIPHENYL

Replacement of Hydrido-Ligands in Triruthenium Complexes by Triphenylphosphinegold Groups. Crystal Structures of (AuRu3-(mu-COMe)(CO)10(PPh3), (AuRu3(mu-H)2(mu3-COMe)(CO)9(PPh3), and (Au3Ru3(mu3-COMe)(CO)9(PPh3)3).
AD-A147 002/0 **02**-*503,513* PC **A02**/MF **A01**

PHOSPHINES

Macrocyclic Poly(Tertiary)Phosphines for the Attachment of Metals to Surfaces of Photodevices. Final Technical Report, August 1, 1979-Sept 14, 1982.
DE84015552 **01**-*501,050* PC **A02**/MF **A01**

Phosphorus-Containing Imide Resins.
PATENT-4 496 701 **15**-*533,474* Not available NTIS

PHOSPHINIC ACID/DITHIENYL- (NITROPHENYL-ESTER)

Eel Acetylcholinesterase Inhibition Studies with Heteroarylphosphinates.
AD-A152 359/6 **14**-*532,307* PC **A02**/MF **A01**

PHOSPHINIC ACID/FURYL (METHYL)-METHYL (THIENYL)-DIFURYL- (NITROPHENYL-ESTER)

Eel Acetylcholinesterase Inhibition Studies with Heteroarylphosphinates.
AD-A152 359/6 **14**-*532,307* PC **A02**/MF **A01**

PHOSPHINIC ACID/NITROPHENYL-CHLOROMETHYL

Acute Oral Toxicity (LD50) of 4-Nitrophenyl Monochloromethyl (Phenyl) Phosphinate (TA009) in Male Rats.
AD-A148 337/9 **05**-*511,146* PC **A03**/MF **A01**

PHOSPHINIC ACID/NITROPHENYL-CHLOROMETHYL-PHENYL

Acute Oral Toxicity (LD50) of 4-Nitrophenyl Monochloromethyl (Phenyl) Phosphinate (TA009) in Female Rats.
AD-A148 581/2 **05**-*511,149* PC **A03**/MF **A01**

PHOSPHINIC ACID/NITROPHENYL-DIMETHYL

Mutagenic Potential of: 4-Nitrophenyl Dimethyl Phosphinate (TA007) using the Sex-Linked Recessive Lethal Test in Drosophila melanogaster.
AD-A148 331/2 **05**-*511,145* PC **A03**/MF **A01**

PHOSPHITE/TRIMETHYL

Gas-Phase Chemistry of Trimethyl Phosphite.
AD-A151 492/6 **12**-*526,654* Not available NTIS

PHOSPHOGYPSUM

Use of Florida Phosphogypsum in Synthetic Construction Aggregate.
PB85-131621 **06**-*513,783* PC **A03**/MF **A01**

Utilization of the Phosphogypsum Produced in the Fertilizer Industry,
PB85-240570 **25**-*557,229* PC **E04**/MF **A01**

Assessment of Phosphogypsum as a Constituent of Aggregate Material.
PB85-242063 **25**-*558,012* PC **A03**/MF **A01**

PHOSPHOLIPIDS

Transport of Ca2+ across Phosphatidylcholine Vesicles.
AD-A146 842/0 **02**-*503,431* PC **A02**/MF **A01**

Natural Antibodies against Phospholipids and Liposomes in Humans.
AD-A150 208/7 **10**-*521,450* PC **A02**/MF **A01**

Aldosterone-Stimulated Transmethylations are Linked to Sodium Transport.
AD-A150 902/5 **11**-*523,653* PC **A02**/MF **A01**

Small X-Ray Diffraction of Immunoglobulin-Membrane Complexes.
AD-A158 252/7 **24**-*555,290* PC **A02**/MF **A01**

Determination of Phospholipid Transfer Proteins in Rat Tissues by Immunoassays.
DE84780579 **08**-*516,195* PC **A06**/MF **A01**

Studies on the Control of Plant Cell Enlargement by Cellular Parameters. Progress Report, July 1, 1983-June 30, 1984.
DE85007821 **13**-*528,672* PC **A02**/MF **A01**

PHOSPHONATES

Laser Detection of Chemical Agents.
AD-A150 083/3 **09**-*519,839* PC **A02**/MF **A01**

A Useful Zinc Reagent for the Preparation of 2-Oxo-1,1-Difluoroalkylphosphonates.
AD-A154 540/9 **18**-*540,276* PC **A02**/MF **A01**

A Safe Facile Synthesis of Difluorophosphonoacetic Acid.
AD-A154 557/3 **18**-*540,278* PC **A02**/MF **A01**

Determination of Formation Constants of Calcium Complexes of Difluoromethylenediphosphonic Acid and Related Diphosphonates.
AD-A154 563/1 **18**-*540,303* PC **A02**/MF **A01**

PHOSPHONIC ACID/DIFLUORO- (METHYLENE-ESTER)

Preparation, Stability, Reactivity and Synthetic Utility of a Cadmium Stabilized Complex of Difluoromethylene Phosphonic Acid Ester.
AD-A154 559/9 **18**-*540,279* PC **A02**/MF **A01**

PHOSPHONIC ACID/ (DIISOPROPYL-ESTER)-METHYL

Recommended Interim Criteria for Three Environmental Polluting Compounds of Rocky Mountain Arsenal.
AD-A154 826/2 **18**-*541,102* PC **A02**/MF **A01**

Electronic Detection of Low Concentrations of Organophosphorus Compounds with a Solid State Device Utilizing Supported Copper + Cuprous Oxide Island Films.
AD-A158 181/8 **24**-*556,127* PC **A24**/MF **A01**

Decomposition of Phosphonate Esters Adsorbed on Aluminum Oxide.
AD-A158 307/9 **25**-*557,901* PC **A02**/MF **A01**

PHOSPHONIC ACID/ (DIMETHYL-ESTER)-METHYL

Excimer Laser Photofragmentation of Organophosphonates. I. Detection of the PO Radical from Dimethyl Methyl Phosphonate (DMMP).
AD-A149 471/5 **08**-*516,385* PC **A03**/MF **A01**

Adsorption and Decomposition of Dimethyl Methylphosphonate on an Aluminum Oxide Surface.
AD-A158 300/4 **25**-*557,897* PC **A02**/MF **A01**

Decomposition of Phosphonate Esters Adsorbed on Aluminum Oxide.
AD-A158 307/9 **25**-*557,901* PC **A02**/MF **A01**

PHOSPHONIC ACID/ (DIPHENYL-ESTER)-METHYL

Decomposition of Phosphonate Esters Adsorbed on Aluminum Oxide.
AD-A158 307/9 **25**-*557,901* PC **A02**/MF **A01**

PHOSPHONIC ACID ESTERS

Development of Surface Immobilized Ligands for Actinide Separations.
DE85002991 **08**-*516,357* PC **A02**/MF **A01**

Synthesis of New Polyphosphonic Acids, Uranium Extracting Agents in a Phosphoric Medium.
DE85751189 **25**-*557,894* PC **A05**/MF **A01**

PHOSPHONIC ACID/ (ISOPROPYL-ESTER-METHYL)

Recommended Interim Criteria for Three Environmental Polluting Compounds of Rocky Mountain Arsenal.
AD-A154 826/2 **18**-*541,102* PC **A02**/MF **A01**

PHOSPHONIC ACIDS

Direct Transformation of Phosphinic Acids in the 3-Phospholene Series to Phosphinamides.
AD-A152 880/1 **15**-*533,489* Not available NTIS

Preparation, Stability, Reactivity and Synthetic Utility of a Cadmium Stabilized Complex of Difluoromethylene Phosphonic Acid Ester.
AD-A154 559/9 **18**-*540,279* PC **A02**/MF **A01**

Determination of Formation Constants of Calcium Complexes of Difluoromethylenediphosphonic Acid and Related Diphosphonates.
AD-A154 563/1 **18**-*540,303* PC **A02**/MF **A01**

Preparation, Stability and Acidity of Difluoromethylene Bis Phosphonic Acid.
AD-A154 614/2 **18**-*540,289* PC **A02**/MF **A01**

t-Butyldimethylsilyl Derivatives of Some Alkylphosphonic and Alkyl Methylphosphonic Acids. Part 1. Gas Chromatographic/Mass Spectrometric Studies.
AD-A155 037/5 **18**-*540,317* PC **A03**/MF **A01**

PHOSPHONIUM BROMIDE/BROMODIFLUORO METHYL-TRIPHENYL

A Practical Synthesis of Fluoromethyltriphenylphosphonium Salts.
AD-A154 606/8 **18**-*540,283* PC **A02**/MF **A01**

PHOSPHONIUM BROMIDE/BROMODIFLUORO-METHYLTRIPHENYL

Repring: The Hydrolysis of Dibbromofluoromethyltriphenylphosphonium Bromide.
AD-A154 545/8 **18**-*540,299* PC **A02**/MF **A01**

PHOSPHONIUM BROMIDE/BROMODIFLUOROMETHYL-TRIPHENYL

The Hydrolysis of Bromodifluoromethyltriphenylphosphonium Bromide.
AD-A154 576/3 **18**-*540,305* PC **A02**/MF **A01**

PHOSPHONIUM BROMIDE/DIBROMO-FLUOROMETHYL-TRIPHENYL

The Hydrolysis of Dibromo fluoromethyl Triphenylpho sphonium Bromide.
AD-A158 343/4 **25**-*557,883* PC **A02**/MF **A01**

PHOSPHONIUM CHLORIDE/TETRABUTYL

A Piezoelectric Crystal Detector for Acetoin.
AD-A153 551/7 **16**-*536,377* Not available NTIS

PHOSPHONIUM COMPOUNDS

Mechanisms of Polymer-Supported Catalysis. 6. Quaternary Phosphonium Ions on Polystyrene Latexes as Catalysts for Nucleophilic Displacements.
AD-A150 407/5 **10**-*521,691* Not available NTIS

The Hydrolysis of Bromodifluoromethyltriphenylphosphonium Bromide.
AD-A154 576/3 **18**-*540,305* PC **A02**/MF **A01**

A Practical Synthesis of Fluoromethyltriphenylphosphonium Salts.
AD-A154 606/8 **18**-*540,283* PC **A02**/MF **A01**

Preparation and Synthetic Utility of Fluorinated Phosphonium Salts, Bis-Phosphonium Salts and Phosphoranium Salts.
AD-A154 612/6 **18**-*540,287* PC **A02**/MF **A01**

The Hydrolysis of Dibromo fluoromethyl Triphenylpho sphonium Bromide.
AD-A158 343/4 **25**-*557,883* PC **A02**/MF **A01**

PHOSPHONOACETIC ACID/DIFLUORO

A Safe Facile Synthesis of Difluorophosphonoacetic Acid.
AD-A154 557/3 **18**-*540,278* PC **A02**/MF **A01**

PHOSPHOPROTEINS

Role of Protein Phosphorylation in Regulation of Bioreactivity.
AD-A158 875/5 **25**-*557,604* PC **A02**/MF **A01**

Neuron-Specific Phosphoproteins as Biochemical Indicators of Neurotoxicity: Effects of Acute Administration of Trimethyltin to the Adult Rat.
PB85-193654 **17**-*537,590* PC **A02**/MF **A01**

PHOSPHORANE/ (DIFLUOROMETHYLENE)TRIPHENYL

Phosphine- and Phosphite-Mediated Difluorocarbene Exchange Reactions of (Bromodifluoromethyl)phosphonium Salts. Evidence for Facile Dissociation of (Difluoromethylene)triphenylphosphorane.
AD-A154 538/3 **18**-*540,274* PC **A02**/MF **A01**

PHOSPHORIC ACID

Evaluation of Two Processes for the Production of Phosphoric Acid in Pilot Scale.
DE85781081 **25**-*557,872* PC **A02**/MF **A01**

Urea Phosphate as Granular or Fluid Fertilizers.
DE85900073 **04**-*508,715* PC **A02**/MF **A01**

PHOSPHORIC ACID/BIS (DINITROPHENYL-ESTER)

Reaction of Bis(2,4-Dinitrophenyl) Phosphate with Hydrophobic Ammonium Ions.
AD-A153 273/8 **15**-*533,534* Not available NTIS

PHOSPHORIC ACID/CARBAMYL- (METHYLENE-ESTER)

Development of Surface Immobilized Ligands for Actinide Separations.
DE85002991 **08**-*516,357* PC **A02**/MF **A01**

PHOSPHORIC ACID/DI (ETHYLHEXYL-ESTER)

Phase Diagram and Dynamical Behavior of Aggregated Diethylhexyl Phosphate Solutions.
DE85751564 **20**-*544,986* PC **A02**/MF **A01**

PHOSPHORIC ACID/ (DIISOPROPYL-ESTER)-FLUORO

Distribution av Diisopropylfluorofosfat (DFP) i Moess: En Autoradiografisk Undersoekning (Distribution of Diisopropylfluorophosphate (DFP) in Mice: An Autoradiographic Study).
PB85-169167 **13**-*528,830* PC **E03**/MF **E01**

PHOSPHORIC ACID/ (DINITROPHENYL-ESTER)

Design of Micelles as Dephosphorylating Agents.
AD-A155 589/5 **19**-*543,722* PC **A02**/MF **A01**

PHOSPHORIC ACID/ (DIPHENYL-ESTER)-(NITROPHENYL-ESTER)

Design of Micelles as Dephosphorylating Agents.
AD-A155 589/5 **19**-*543,722* PC **A02**/MF **A01**

PHOSPHORIC ACID FUEL CELLS

Manual of Phosphoric Acid Fuel Cell Power Plant Cost Model and Computer Program.
N84-34037/1 **01**-*501,470* PC **A03**/MF **A01**

Manual of Phosphoric Acid Fuel Cell Power Plant Optimization Model and Computer Program.
N85-10445/3 **03**-*506,345* PC **A04**/MF **A01**

Manual of Phosphoric Acid Fuel Cell Stack Three-Dimensional Model and Computer Program.
N85-10447/9 **03**-*506,346* PC **A04**/MF **A01**

Electrocatalysis of Fuel Cell Reactions: Investigation of Alternate Electrolytes.
N85-11455/1 **04**-*509,324* PC **A06**/MF **A01**

Phosphoric Acid Fuel Cell Power Plant System Performance Model and Computer Program.
N85-11456/9 **04**-*509,325* PC **A07**/MF **A01**

Gas Cooled Fuel Cell Systems Technology Development.
N85-16291/5 **10**-*522,052* PC **A15**/MF **A01**

Electric Utility Acid Fuel Cell Stack Technology Advancement.
N85-17422/5 **11**-*524,389* PC **A08**/MF **A01**

Preparation and Evaluation of Advanced Catalysts for Phosphoric Acid Fuel Cells.
N85-19511/3 **13**-*529,392* PC **A07**/MF **A01**

Develop and Test Fuel Cell Powered on-Site Integrated Total Energy Systems. Phase 3: Full-Scale Power Plant Development.
N85-25941/4 **18**-*540,771* PC **A02**/MF **A01**

Development of Marine Rated Phosphoric Acid Fuel Cells. SBIR (Small Business Innovation Research) Phase 1 Report.
PB85-164879 **11**-*524,394* PC **A06**/MF **A01**

PHOSPHORIC ACID/ (HAFNIUM-SALT)

Structure, Bonding, and Internal Rotation in H3PO, H2POH, and HfPOH.
AD-A150 475/2 **10**-*521,695* PC **A02**/MF **A01**

PHOSPHORIC ACID/ (TRICRESYL-ESTER)

Organophosphorus-Induced Delayed Neurotoxicity: Syndrome and Experimental Models.
AD-P004 022/0 **01**-*500,881* PC **A02**/MF **A01**

Delayed Neuropathy in Adult Peking Ducks Induced By Some Organophosphorus Esters.
PB85-214385 **20**-*544,912* Not available NTIS

PHOSPHORIC ACID/TRIS (ETHYLHEXYL-ESTER)

Toxicology and Carcinogenesis Studies of Tris(2-Ethylhexyl)Phosphate (CAS No. 78-42-2) in F344/N Rats and B6C3F1 Mice (Gavage Studies).
PB85-171502 **13**-*528,885* PC **A08**/MF **A01**

PHOSPHORIC ACIDS

Investigation of a Cryogenic Matrix Isolation Approach for Characterizing Phosphorus Acid Aerosol.
AD-A146 188/8 **01**-*501,004* PC **A04**/MF **A01**

System for the Continuous Generation of Phosphorous Aerosols from Red Phosphorus-Butyl Rubber. Chemical Characterization and Toxicological Evaluation of Airborne Mixtures.
AD-A157 342/7 **23**-*552,418* PC **A03**/MF **A01**

Production of High-Analysis Ammonium Orthophosphate Suspension Fertilizers by a New Batch-Type Process.
PATENT-4 511 388 **18**-*539,687* Not available NTIS

Granulation of Urea Phosphate from Urea and Merchant-Grade Phosphoric Acid.
PATENT-4 512 793 **18**-*539,688* Not available NTIS

PHOSPHORODIAMIDIC ACID/ (IMINYL-ESTER)-N-N-BIS (CHLOROETHYL)

O-Iminyl Esters of N,N-Bis(2-chloroethyl)phosphorodiamidic Acid. Synthesis, X-Ray Structure Determination, and Anticancer Evaluation.
PB85-102226 **01**-*500,957* Not available NTIS

PHOSPHOROFLUORIDATE/DIISOPROPYL

Synaptic Mechanisms of Action of Convulsion-Producing Anticholinesterases. Characterization of Di-Isopropyl Phosphorofluoridate-Induced Epileptiform Activity in the Mammalian Hippocampus.
AD-A148 384/1 **05**-*511,119* PC **A04**/MF **A01**

PHOSPHOROUS INORGANIC COMPOUNDS

UV-Sensitive Complex Phosphorus: Association with Dissolved Humic Materials and Iron in a Bog Lake.
PB85-138220 **06**-*513,259* Not available NTIS

PHOSPHORS

Investigation of Basic Characteristics of Laser Heating in Thermoluminescence and of Laser-Stimulated Luminescence.
AD-A152 143/4 **13**-*530,345* PC **A04**/MF **A01**

Theoretical and Experimental Stopping Powers for Heavy Charged Particles in TL Phosphors.
DE84703004 **04**-*510,005* PC **A02**/MF **A01**

Proposed Method for Remote Thermometry in Turbine Engines.
DE85003755 **20**-*547,153* PC **A02**/MF **A01**

Scintillators and Cases. Basic Dimensions.
DE85700761 **22**-*551,105* PC **A02**/MF **A01**

Specific Features of Scintillator Emission in Intense Pulsed Neutron and gamma Fields.
DE85700958 **20**-*546,141* PC **A02**/MF **A01**

PHOSPHORUS

Study of Singlet Oxygen-Pentavalent Phosphorus Reactions.
AD-A145 896/7 **01**-*500,971* PC **A03**/MF **A01**

New Dialkylamino Derivatives of Trivalent Phosphorus.
AD-A146 277/9 **01**-*500,947* PC **A02**/MF **A01**

Ab Initio Studies of HXYPO and XYPOH Molecules.
AD-A150 460/4 **10**-*521,693* PC **A02**/MF **A01**

System for the Continuous Generation of Phosphorous Aerosols from Red Phosphorus-Butyl Rubber. Chemical Characterization and Toxicological Evaluation of Airborne Mixtures.
AD-A157 342/7 **23**-*552,418* PC **A03**/MF **A01**

Research and Development on Inhalation Toxicologic Evaluation of Red Phosphorus/Butyl Rubber Combustion Products.
AD-A157 686/7 **24**-*555,218* PC **A05**/MF **A01**

Research and Development on Inhalation Toxicologic Evaluation of Red Phosphorus/Butyl Rubber Combustion Products.
AD-A158 323/6 **25**-*557,847* PC **A06**/MF **A01**

Study of the Efficiency of Different Spectrochemical Buffers Applied to the Uranium Ore Analysis.
DE81700471 **20**-*545,133* PC **A03**/MF **A01**

H-Division (Lawrence Livermore National Laboratory) Materials Physics Quarterly Report, April-June 1984.
DE85004990 **11**-*523,999* PC **A04**/MF **A01**

Solid Surface Luminescence Analysis. Progress Report, April 1984-December 1984.
DE85006680 **12**-*526,690* PC **A02**/MF **A01**

Determination of the Major Elements and Trace Metals Present in Bitumen from Several Tar Sand Deposits.
DE85007321 **13**-*530,638* PC **A02**/MF **A01**

Selective Oxidation of n-Butane to Maleic Anhydride over Model Vanadium-Phosphorus Oxide Catalysts.
DE85009231 **15**-*533,564* PC **A07**/MF **A01**

Catalyst Deactivation in Direct Coal Liquefaction: A Comparative Study of Wilsonville Runs.
DE85009898 **19**-*544,358* PC **A02**/MF **A01**

Chemical and Physical Characterization of Phosphorus Smokes for Inhalation Exposure and Toxicology Studies. Final Report.
DE85010210 **17**-*537,588* PC **A04**/MF **A01**

Hydrolysis, Formation and Ionization Constants at 25 deg C, and at High Temperature-High Ionic Strength.
DE85010645 **18**-*541,548* PC **A17**/MF **A01**

Cycling of Transuranic Radionuclides in the Columbia River, Its Estuary and the Northeast Pacific Ocean. Progress Report, January-December 1984.
DE85011485 **19**-*543,907* PC **A02**/MF **A01**

Transport, Transformation, and Ecological Effects of Phosphorus Smokes in an Environmental Wind Tunnel.
DE85012454 **22**-*549,845* PC **A03**/MF **A01**

X-Ray Fluorescence Analysis of Uranium Concentrates.
DE85013189 **21**-*547,766* PC **A03**/MF **A01**

System for the Continuous Generation of Phosphorous Aerosols from Red Phosphorus-Butyl Rubber. Final Report.
DE85013527 **21**-*548,552* PC **A03**/MF **A01**

Addendum to the STCAL and LTCAL User's Guide.
N85-26194/9 **18**-*540,626* PC **A03**/MF **A01**

Fire-Resistant Phosphorus Containing Polyimides and Copolyimides.
PATENT-4 536 565 **26**-*560,960* Not available NTIS

Biological Availability of Sediment Phosphorus Inputs to the Lower Great Lakes,
PB85-121036 **04**-*508,949* PC **A09**/MF **A01**

Removal of Heavy Metals Using Aluminum Salts for Phosphorus Removal.
PB85-147445 **08**-*517,125* PC **A13**/MF **A01**

Phosphorus Control and Nitrification Processes for Municipal Wastewater,
PB85-164937 **11**-*524,673* PC **A03**/MF **A01**

Emerging Technology Assessment of Phostrip, A/O, and Bardenpho Processes for Biological Phosphorus Removal.
PB85-165744 **11**-*524,675* PC **A06**/MF **A01**

Evaluation of Nitrogen and Phosphorous Enrichment Using 'In situ' Enclosure Bags with Temporal Indigenous Phytoplankton Populations,
PB85-211787 **19**-*542,947* PC **A03**/MF **A01**

Development of Thermal Behaviour Test for the Evaluation of Rock Phosphates for Electrothermal Production of Elemental Phosphorus,
PB85-213080 **20**-*544,928* PC **E04**/MF **E01**

Elemental Phosphorus,
PB85-213148 **20**-*544,929* PC **E04**/MF **E01**

Utilization of the Phosphogypsum Produced in the Fertilizer Industry,
PB85-240570 **25**-*557,229* PC **E04**/MF **A01**

Detailed Phosphorus Characterization of Seventy-Eight Soils,
PB85-243376 **26**-*560,653* PC **A03**/MF **A01**

Summer Internal Phosphorus Supplies in Shagawa Lake, Minnesota.
PB85-244234 **26**-*560,609* PC **A02**/MF **A01**

PHOSPHORUS 29

Bound Levels in sup 29 P Populated in the sup 28 Si(sup 3 He,d) Reaction.
DE85700576 **18**-*541,794* PC **A02**/MF **A01**

PHOSPHORUS 32

Bioaccumulation of P-32 in Bluegill and Catfish.
NUREG/CR-3981 **08**-*516,155* PC **A08**/MF **A01**

PHOSPHORUS ADDITIONS

Ferromagnetic-Spin Glass Transition.
DE84002874 **03**-*507,748* PC **A02**/MF **A01**

Plasma Deposition of Amorphous Metal Alloys.
DE85000768 **04**-*509,411* PC **A02**/MF **A01**

PHOSPHORUS/CARBAMOYL-METHYLENE

Bifunctional Organophosphorus Liquid-Liquid Extraction Reagents: Development and Applications.
DE85004970 **11**-*523,931* PC **A02**/MF **A01**

PHOSPHORUS CHLORIDES

Chemical Separation, Purification and Identification of EOR-Active Compounds in Water Soluble Petroleum Sulfonates. Final Progress Report.
DE85011021 **20**-*545,141* MF **A01**

PHOSPHORUS COMPOUNDS

New Dialkylamino Derivatives of Trivalent Phosphorus.
AD-A146 277/9 **01**-*500,947* PC **A02**/MF **A01**

Magnetically-Induced Luminescence of (Ir(2= phos)2)C10 4.
AD-A149 659/5 **09**-*518,826* PC **A02**/MF **A01**

Gas-Phase Chemistry of Trimethyl Phosphite.
AD-A151 492/6 **12**-*526,654* Not available NTIS

Measurement of Franck-Condon Factors for the v'= 0 Progression in the B-X System of PO.
AD-A152 734/0 **14**-*531,482* PC **A03**/MF **A01**

The Formation of P(III) Products from Phosphinamides with Silicon Hydrides.
AD-A153 393/4 **15**-*533,543* Not available NTIS

Surface Chemistry of Phosphorus-Containing Molecules: I. Interaction of PH(3) with Rh(100) and the Effect of Preadsorbed Phosphorus,
AD-A157 728/7 **24**-*555,264* PC **A02**/MF **A01**

Syntheses of Novel Nitrogen and Phosphorus Heterocycles.
AD-A158 449/9 **25**-*557,886* PC **A04**/MF **A01**

PHOSPHORUS INDUSTRY

Analytical Aspects of a Phosphorus Plant Chemical Control Laboratory,
PB85-213098 **20**-*546,003* PC **E04**/MF **E01**

Elemental Phosphorus,
PB85-213148 **20**-*544,929* PC **E04**/MF **E01**

PHOSPHORUS IONS

Study and Characterization of a Phosphorous Ion Source and Development of a Emittancemeter Suited to Multi-Beam Ion Sources.
DE85751343 **20**-*545,885* PC **A05**/MF **A01**

High Energy Ion Implantation for C-MOS Isolation N-Wells Technology: Some Problems Related to the Use of Multicharged Phosphorous Ions in an Industrial Context.
DE85751554 **20**-*545,886* PC **A02**/MF **A01**

PHOSPHORUS ISOTOPES

Bioaccumulation of P-32 in Bluegill and Catfish.
NUREG/CR-3981 **08**-*516,155* PC **A08**/MF **A01**

PHOSPHORUS METABOLISM

Role of 1,25-Dihydroxyvitamin D in the Inhibition of Bone Formation Induced by Skeletal Unloading.
N85-29522/8 **21**-*547,707* PC **A02**/MF **A01**

PHOSPHORUS ORGANIC ACIDS

Improved Acid Electrolytes for Fuel Cells: Annual Report January-October 1984,
PB85-176063 **12**-*527,048* PC **A04**/MF **A01**

PHOSPHORUS ORGANIC COMPOUNDS

Pharmacologie et Pharmacogenetique des Neurotropes et des Antagonistes des Organophosphores (Pharmacology and Pharmacogenetics of Neurotropes and Antagonists of Organophosphorous Compounds),
PB85-176535 **15**-*533,428* PC **E04**/MF **E04**

Dynamic Aspects of Phosphorus in Four- and Five-Coordinated Compounds: DNA as an Example,
PB85-241420 **26**-*560,527* PC **E08**/MF **E01**

PHOSPHORUS PLANTS

Radionuclides: Regulatory Impact Analysis of Emission Standards for Elemental Phosphorus Plants.
PB85-132744 **05**-*512,218* PC **A05**/MF **A01**

PHOSPHORUS POLYMERS

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PAT-APPL-6-738 817 **22**-*550,752* PC **A02**/MF **A01**

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AD-A146 311/6 **01**-*501,129* PC **A02**/MF **A01**

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AD-A158 359/0 **25**-*557,907* PC **A02**/MF **A01**

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AD-A146 278/7 **01**-*502,117* PC **A03**/MF **A01**

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AD-A151 584/0 **12**-*526,876* PC **A02**/MF **A01**

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AD-A152 719/1 **14**-*531,632* PC **A02**/MF **A01**

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AD-A158 364/0 **25**-*559,781* PC **A02**/MF **A01**

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DE85000064 **04**-*509,055* PC **A02**/MF **A01**

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DE85001365 **05**-*512,062* PC **A02**/MF **A01**

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DE85009148 **17**-*537,891* PC **A02**/MF **A01**

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DE85014746 **25**-*559,441* PC **A02**/MF **A01**

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N85-18791/2 **12**-*527,663* PC **A02**/MF **A01**

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AD-A147 804/9 **04**-*509,049* PC **A02**/MF **A01**

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AD-A147 806/4 **04**-*510,376* PC **A02**/MF **A01**

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AD-A149 406/1 **08**-*516,570* PC **A04**/MF **A01**

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AD-A151 433/0 **12**-*526,872* PC **A02**/MF **A01**

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AD-A152 851/2 **15**-*534,729* PC **A02**/MF **A01**

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AD-A153 436/1 **16**-*535,966* PC **A02**/MF **A01**

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AD-A153 773/7 **16**-*535,969* PC **A04**/MF **A01**

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AD-A154 096/2 **17**-*537,875* PC **A03**/MF **A01**

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DE84012979 **03**-*507,749* PC **A02**/MF **A01**

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DE84016621 **02**-*503,769* PC **A02**/MF **A01**

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DE84016785 **02**-*503,771* PC **A02**/MF **A01**

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DE85009501 **16**-*535,972* PC **A02**/MF **A01**

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DE85901026 **20**-*546,156* PC **A02**/MF **A01**

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N84-35095/8 **02**-*504,573* PC **A02**/MF **A01**

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N85-10333/1 **03**-*506,987* PC **A02**/MF **A01**

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N85-24274/1 **17**-*539,250* PC **A02**/MF **A01**

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N85-24960/5 **17**-*537,897* PC **A03**/MF **A01**

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PATENT-4 479 053 **15**-*534,514* Not available NTIS

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PB85-110146 **03**-*506,080* Not available NTIS

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PB85-183507 **15**-*534,803* Not available NTIS

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PB85-187466 **15**-*534,416* Not available NTIS

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PB85-865129 **19**-*544,099* PC **N01**/MF **N01**

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AD-A147 136/6 **02**-*503,624* PC **A02**/MF **A01**

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AD-A149 471/5 **08**-*516,385* PC **A03**/MF **A01**

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AD-A150 886/0 **11**-*523,965* PC **A02**/MF **A01**

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AD-A153 302/5 **15**-*534,336* PC **A05**/MF **A01**

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AD-A154 137/4 **17**-*539,509* PC **A04**/MF **A01**

Multiphoton Production and Detection of Atoms.
AD-A155 561/4 **19**-*542,784* PC **A02**/MF **A01**

Photodissociation of Acetylene at 193.3 NM.
AD-A155 775/0 **21**-*547,816* PC **A04**/MF **A01**

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AD-A155 862/6 **21**-*547,739* PC **A02**/MF **A01**

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AD-A158 045/5 **24**-*555,282* PC **A08**/MF **A01**

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AD-A158 553/8 **25**-*559,421* PC **A02**/MF **A01**

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AD-A158 733/6 **25**-*557,943* PC **A05**/MF **A01**

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N84-33552/0 **01**-*501,070* PC **A05**/MF **A01**

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N85-13758/6 **07**-*514,397* PC **A03**/MF **A01**

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N85-25956/2 **18**-*539,767* PC **A03**/MF **A01**

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PB85-230654 **23**-*552,552* Not available NTIS

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PB85-238749 **24**-*556,993* PC **E05**/MF **E05**

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AD-A149 425/1 **08**-*518,138* PC **A03**/MF **A01**

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AD-A155 628/1 **19**-*544,252* PC **A03**/MF **A01**

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N85-16204/8 **10**-*522,103* PC **A03**/MF **A01**

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Method and Apparatus for Measuring Areas of Photoelectric Cells and Photoelectric Cell Performance Parameters.
PAT-APPL-6-614 506 **21**-*548,085* PC **A02**/MF **A01**

PHOTOELECTRIC CELLS (SEMICONDUCTOR)

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AD-A148 982/2 **07**-*514,686* PC **A02**/MF **A01**

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AD-A157 556/2 **23**-*552,499* PC **A02**/MF **A01**

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AD-A158 284/0 **24**-*555,294* PC **A02**/MF **A01**

Thin-Film Electroluminescence.
AD-A158 352/5 **25**-*558,124* PC **A02**/MF **A01**

PHOTOELECTRIC EFFECT

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N85-21675/2 **14**-*532,223* PC **A04**/MF **A01**

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DE85010980 **18**-*541,659* PC **A18**/MF **A01**

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PB85-118248 **04**-*508,827* Not available NTIS

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PB85-227601 **22**-*550,040* Not available NTIS

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PB85-239457 **22**-*550,051* PC **A07**/MF **A01**

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PATENT-4 524 237 **24**-*555,682* Not available NTIS

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PB85-201333 **18**-*540,722* PC **E07**/MF **E07**

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N84-33642/9 **01**-*500,022* PC **A02**/MF **A01**

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DE84004492 **02**-*503,952* PC **A04**/MF **A01**

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PAT-APPL-6-652 396 **19**-*543,142* PC **A02**/MF **A01**

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PAT-APPL-6-655 489 **19**-*543,143* PC **A02**/MF **A01**

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PB85-188690 **16**-*535,862* PC **E04**/MF **E04**

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PB85-201333 **18**-*540,722* PC **E07**/MF **E07**

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PATENT-4 511 838 **24**-*556,153* Not available NTIS

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AD-A154 163/0 **17**-*537,745* PC **A04**/MF **A01**

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AD-A147 181/4 **02**-*503,522* PC **A03**/MF **A01**

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AD-A150 000/8 **09**-*520,695* MF **A01**

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DE84016700 **02**-*503,551* PC **A02**/MF **A01**

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DE84017454 **03**-*505,860* PC **A02**/MF **A01**

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DE85001417 **05**-*512,064* PC **A04**/MF **A01**

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DE85003174 **08**-*516,413* PC **A03**/MF **A01**

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DE85700318 **16**-*536,803* PC **A04**/MF **A01**

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AD-A146 422/1 **01**-*502,619* Not available NTIS

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DE84752293 **11**-*525,435* PC **A02**/MF **A01**

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N85-12412/1 **05**-*511,382* PC **A03**/MF **A01**

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N84-33853/2 **01**-*501,152* PC **A02**/MF **A01**

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PATENT-4 489 322 **11**-*524,928* Not available NTIS

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PB85-107969 **02**-*503,641* PC **A13**/MF **A01**

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PB85-142628 **06**-*513,936* Not available NTIS

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PB85-192755 **17**-*538,480* PC **A03**/MF **A01**

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PB85-138378 **07**-*515,235* PC **E04**/MF **E04**

PHOTOGRAPHIC DATA LINKS

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PATENT-4 442 453 **01**-*502,019* Not available NTIS

PHOTOGRAPHIC EMULSIONS

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AD-A151 831/5 **13**-*529,857* PC **A05**/MF **A01**

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PB85-145159 **06**-*513,946* Not available NTIS

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ED-256 299 **25**-*557,483* Not available NTIS

Vapor-Screen Technique for Flow Visualization in the Langley Unitary Plan Wind Tunnel.
N85-29929/5 **22**-*549,279* PC **A03**/MF **A01**

PHOTOGRAPHIC FILM

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N85-16101/6 **10**-*522,520* PC **A02**/MF **A01**

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Use of the Maximum Prpbability Method in Data Processing from X-Ray-Emulsion Films.
DE85701104 **24**-*556,305* PC **A02**/MF **A01**

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DE85780559 **16**-*536,588* PC **A02**/MF **A01**

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DE85007207 **13**-*530,027* PC **A04**/MF **A01**

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DE85781124 **24**-*555,205* PC **A03**/MF **A01**

PHOTOGRAPHIC FILMS

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DE85781120 **24**-*556,366* PC **A02**/MF **A01**

PHOTOGRAPHIC IMAGES

Visibility Model Verification by Image Processing Techniques.
PB85-222800 **22**-*550,654* PC **A06**/MF **A01**

PHOTOGRAPHIC MEASUREMENT

Montage Holographique pour la Mesure du Champ des Vitesses d'Eclats Supersoniques a Grande Distance (Holo-

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N85-31487/0 **23**-*554,138* PC **A02**/MF **A01**

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PB85-164176 **11**-*525,173* PC **E04**/MF **E04**

PHOTOGRAPHIC PROCESSING EQUIPMENT

Research on the Use of Metal-Organic Compounds as Photoconductors in Electrophotography.
N84-34262/5 **01**-*502,017* PC **A06**/MF **A01**

PHOTOGRAPHIC RECONNAISSANCE

Photo-Reconnaissance System.
PATENT-4 442 453 **01**-*502,019* Not available NTIS

PHOTOGRAPHIC RECORDING

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N84-34263/3 **01**-*502,418* PC **A03**/MF **A01**

Preliminary Results Using a Rapid Photographic Wake Traverse System.
N85-11332/2 **04**-*509,862* PC **A02**/MF **A01**

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Vapor-Screen Technique for Flow Visualization in the Langley Unitary Plan Wind Tunnel.
N85-29929/5 **22**-*549,279* PC **A03**/MF **A01**

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AD-A150 615/3 **10**-*521,707* PC **A02**/MF **A01**

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AD-A150 190/7 **10**-*522,519* PC **A03**/MF **A01**

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AD-A157 140/5 **23**-*554,309* PC **A02**/MF **A01**

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AD-A148 246/2 **05**-*511,187* PC **A02**/MF **A01**

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AD-A148 463/3 **05**-*511,212* PC **A02**/MF **A01**

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AD-A150 976/9 **11**-*524,057* PC **A02**/MF **A01**

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AD-A151 261/5 **12**-*527,054* PC **A02**/MF **A01**

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AD-A151 519/6 **12**-*526,658* PC **A02**/MF **A01**

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AD-A153 079/9 **15**-*533,512* PC **A02**/MF **A01**

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AD-A153 917/0 **16**-*535,652* PC **A02**/MF **A01**

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AD-A157 963/0 **24**-*556,577* PC **A04**/MF **A01**

PHOTOMASKS

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N85-31417/7 **23**-*553,552* PC **A15**/MF **A01**

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PB85-111862 **02**-*504,505* Not available NTIS

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DE84702380 **02**-*504,483* PC **A02**/MF **A01**

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N85-24677/5 **17**-*537,152* PC **A03**/MF **A01**

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AD-A146 543/4 **01**-*501,953* PC **A02**/MF **A01**

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AD-A150 849/8 **11**-*523,318* PC **A02**/MF **A01**

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AD-A151 008/0 **11**-*524,791* PC **A02**/MF **A01**

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N85-26545/2 **18**-*539,749* PC **A02**/MF **A01**

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N85-28504/7 **20**-*545,982* PC **A04**/MF **A01**

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PB85-115673 **03**-*506,828* Not available NTIS

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DE84016979 **02**-*504,809* PC **A02**/MF **A01**

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PHOTOMULTIPLIER TUBES

Fabrication of Digicons for the SHAD Experiment.
AD-A152 694/6 **14**-*531,629* PC **A05**/MF **A01**

PHOTOMULTIPLIERS

Study in Spurious Sensitivity of Electronics in Space.
AD-A148 386/6 **05**-*512,187* PC **A02**/MF **A01**

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DE84016894 **02**-*504,479* PC **A02**/MF **A01**

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DE85016631 **26**-*561,395* PC **A02**/MF **A01**

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DE85781301 **25**-*559,016* PC **A02**/MF **A01**

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DE85781340 **25**-*559,033* PC **A02**/MF **A01**

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N84-34002/5 **01**-*501,238* PC **A03**/MF **A01**

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PHOTON-ATOM COLLISIONS

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DE85700211 **11**-*524,033* PC **A02**/MF **A01**

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DE85700487 **16**-*535,857* PC **A03**/MF **A01**

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DE85780739 **16**-*536,840* PC **A04**/MF **A01**

PHOTON BEAMS

Squeezed-State Generation via Forward Degenerate Four-Wave Mixing.
AD-A147 227/3 **03**-*507,673* PC **A02**/MF **A01**

Calculation and Analysis of Photon Dose Equivalent Distributions in the ICRU Sphere.
DE84751611 **02**-*503,445* PC **A11**/MF **A01**

Polarized Targets and BEAMS.
DE85752084 **26**-*561,779* PC **A03**/MF **A01**

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DE85780888 **20**-*544,884* PC **A08**/MF **A01**

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DE85780978 **24**-*555,200* PC **A06**/MF **A01**

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N85-10814/0 **03**-*506,988* PC **A03**/MF **A01**

PHOTON COLLISIONS

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DE85781056 **25**-*557,288* PC **A04**/MF **A01**

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PHOTON-DEUTERON INTERACTIONS

Production of K exp + K exp - and ppbar Pairs in High Energy Photoproduction.
DE85011214 **19**-*544,146* PC **A10**/MF **A01**

PHOTON ECHOES

Photon Echoes and Elliptical Billiard Balls.
AD-A146 829/7 **02**-*504,892* PC **A02**/MF **A01**

Incoherent Photon Echoes.
AD-A146 830/5 **02**-*504,893* PC **A02**/MF **A01**

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PHOTON-ELECTRON INTERACTION

Means and Method for Calibrating a Photon Detector Utilizing Electron-Photon Coincidence.
PATENT-4 469 942 **02**-*504,574* Not available NTIS

PHOTON-ELECTRON INTERACTIONS

Measurement of Deep Inelastic Electron Scattering of Virtual Photons.
DE84752266 **09**-*520,444* PC **A02**/MF **A01**

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DE85009444 **20**-*546,190* PC **A02**/MF **A01**

PHOTON EMISSION

Dynamics of Multiphoton Processes in Two-Level Systems.
DE84702604 **03**-*507,720* PC **A02**/MF **A01**

Two Photon Emission by Hydrogen-Like Atoms in High Temperature Plasmas.
DE85700154 **11**-*525,561* PC **A02**/MF **A01**

PHOTON-HADRON INTERACTIONS

Recent Results in Photoproduction with Real and Virtual Photons.
DE85750994 **19**-*544,162* PC **A02**/MF **A01**

PHOTON-ION COLLISIONS

Investigations on Multiphoton Ionization and Laser-Ion Beam Photodissociation Spectroscopy. Progress Report, September 1, 1982-August 31, 1985.
DE85009696 **21**-*547,757* PC **A02**/MF **A01**

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DE85780739 **16**-*536,840* PC **A04**/MF **A01**

PHOTON-MESON INTERACTIONS

Electromagnetic Interactions of Mesons in the Superconductor Quark Model.
DE85700849 **20**-*546,710* PC **A02**/MF **A01**

Pion Photoproduction in a Model of Composite Mesons.
DE85700851 **20**-*546,712* PC **A02**/MF **A01**

PHOTON-MOLECULE COLLISIONS

Saturation Properties of the SF sub 6 Quasicontinuum.
DE84008224 **02**-*503,532* PC **A02**/MF **A01**

Electron and Photon Stimulated Desorption from Organic Molecular Solids: Final State Leading to Desorption.
DE85004651 **21**-*547,755* PC **A02**/MF **A01**

PHOTON-NEUTRON INTERACTIONS

Cross-Section Assymmtry of pi exp + and pi exp - Meson Single Photoproduction on Nucleons by Polarized Photons in the Resonance Energy Range.
DE85701791 **25**-*559,589* PC **A02**/MF **A01**

PHOTON-NUCLEON INTERACTIONS

Contributions to the Study of Photons Electric Scattering on the Nucleon at Low and Intermediate Energies.
DE81700444 **20**-*546,615* PC **A03**/MF **A01**

Photoproduction of High Psub(T) Photons as a Test of Color Symmetry.
DE84702242 **03**-*507,463* PC **A02**/MF **A01**

Pion Photoproduction in Nucleons at Low Energies.
DE85701440 **22**-*551,598* PC **A05**/MF **A01**

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DE85901008 **22**-*551,639* PC **A03**/MF **A01**

PHOTON-PHOTON INTERACTIONS

K Factor for the Two-Photon Production of Hadron Jets.
DE84702082 **03**-*507,426* PC **A02**/MF **A01**

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DE84702437 **01**-*502,492* PC **A02**/MF **A01**

QED Processes in Two Photon Reactions.
DE84750156 **03**-*507,573* PC **A02**/MF **A01**

Total Cross Sections for Two off Shell Photons.
DE84751531 **08**-*517,942* PC **A02**/MF **A01**

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DE84751804 **09**-*520,416* PC **A03**/MF **A01**

Observation of the Reaction gamma gamma -> Panti p pi exp + pi exp -.
DE84751961 **08**-*517,953* PC **A02**/MF **A01**

Measurement of Exclusive eta' Production in gamma gamma Reactions.
DE84752295 **20**-*546,637* PC **A02**/MF **A01**

Recent Developments in the Theory of Photon-Photon Collisions.
DE85002717 **06**-*514,178* PC **A02**

Resonances in Photon-Photon Scattering.
DE85004607 **11**-*525,449* PC **A03**/MF **A01**

Photon-Photon Collisions.
DE85008056 **13**-*530,460* PC **A02**/MF **A01**

Processes gamma gamma Yields mu exp + mu exp - E exp + E exp - , gamma gamma Yields E exp + E exp - E exp + E exp - and gamma gamma Yields pi exp + pi exp - E exp + E exp - for High Energy gamma gamma Beams.
DE85700160 **20**-*546,657* PC **A02**/MF **A01**

Pion Pair Production in Photon-Photon Interactions.
DE85750522 **15**-*534,908* PC **A02**/MF **A01**

Two-Photon-Physics at PETRA.
DE85750568 **15**-*534,929* PC **A03**/MF **A01**

Photon Structure Function and Hard Scattering in Two-Photon Reactions.
DE85750707 **15**-*534,946* PC **A02**/MF **A01**

Measurement of the Total Photon-Photon Cross Section for the Production of Hadrons at Small Q exp 2.
DE85750712 **15**-*534,950* PC **A02**/MF **A01**

Measurement of the Q exp 2 and W Dependence of the gamma gamma Total Cross Section for Hadron Production.
DE85750713 **20**-*546,758* PC **A02**/MF **A01**

Formation of the Tensor Meson A sub 2 (1320) in Photon-Photon Interactions.
DE85750716 **15**-*534,953* PC **A02**/MF **A01**

Recent Results on the Reactions gamma gamma -> eta', A sub 2 , (5 pi) sup 0 and Upper Limits on gamma gamma -> rho sup 0 omega and gamma gamma -> omega omega Production.
DE85750991 **19**-*544,159* PC **A02**/MF **A01**

Experimental Results on Hadron Pair Production by Two Photons.
DE85751625 **22**-*551,614* PC **A03**/MF **A01**

Survey of Two-Photon Physics: What Have We Done, Where Are We Going.
DE85751626 **22**-*551,615* PC **A03**/MF **A01**

New Particles and Two-Photon Physics.
DE85752007 **25**-*559,627* PC **A03**/MF **A01**

Processes Related to Photon-Photon Collisions.
DE85752065 **26**-*561,867* PC **A03**/MF **A01**

Total Cross Section gamma gamma -> Hadrons.
DE85752099 **26**-*561,875* PC **A03**/MF **A01**

Q Exp 2 and Transverse Momentum Dependence of Jet Production in Photon-Photon Interactions.
DE85780755 **15**-*535,017* PC **A02**/MF **A01**

Measurements of the Radiative Width of the eta'(958) in Two-Photon Interactions.
DE85780756 **15**-*535,018* PC **A02**/MF **A01**

Hard Processes Involving Real Photons.
DE85901020 **22**-*551,643* PC **A03**/MF **A01**

Photon-Photon Interaction Detection Via the Vacuum Birefringence Induced by a Magnetic Field: Status of the Experiment.
DE85901051 **20**-*546,163* PC **A02**/MF **A01**

PHOTON-PROTON INTERACTIONS

Study of the Reaction gamma p Yields rho exp - delta exp + + at 20 GeV.
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Possibility of Measuring G and H Parameters in the gamma p Yields N pi exp + and gamma p Yields p pi exp 0 Reactions.
DE84702631 **03**-*507,547* PC **A02**/MF **A01**

Charm Photoproduction Results from Fermilab E-516.
DE85005349 **11**-*525,477* PC **A02**/MF **A01**

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DE85700263 **12**-*528,032* PC **A02**/MF **A01**

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PB85-232197 **23**-*554,271* PC **E04**/MF **E04**

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AD-A150 094/1 **09**-*520,232* PC **A02**/MF **A01**

PHOTON STIMULATED DESORPTION

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PB85-221893 **21**-*547,797* Not available NTIS

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DE84703305 **12**-*527,728* PC **A02**/MF **A01**

ITS: The Integrated TIGER Series of Coupled Electron/Photon Monte Carlo Transport Codes.
DE85003719 **08**-*518,004* PC **A06**/MF **A01**

UPEML: A Machine-Portable CDC Update Emulator.
DE85005299 **11**-*525,475* PC **A03**/MF **A01**

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Photoneutron Cross Sections of sup 121 Sb, sup 123 Sb and Sup(Nat) Sb.
DE84703125 **09**-*520,336* PC **A02**/MF **A01**

Measurement of Photonuclear Cross Sections from 30 to 140 MeV for Intermediate and Heavy Mass Nuclei (Sn, Ce, Ta, Pb and U).
DE85751937 **25**-*559,622* PC **A14**/MF **A01**

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Two-Photon Spectroscopy of Ions in Crystals: Cu+ and Ag+ in the Alkali Halides.
AD-A146 464/3 **01**-*501,025* PC **A02**/MF **A01**

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AD-A148 381/7 **05**-*511,206* PC **A02**/MF **A01**

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DE85701749 **25**-*559,568* PC **A02**/MF **A01**

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DE85750087 **11**-*525,495* PC **A03**/MF **A01**

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DE85901040 **22**-*551,651* PC **A02**/MF **A01**

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Measurement of pi exp 0 Meson Photoproduction from sup 12 C Near Threshold.
DE84751394 **03**-*507,579* PC **A05**/MF **A01**

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PATENT-4 523 008 **22**-*549,974* Not available N

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PB85-160885 **11**-*524,050* Not available NTIS

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PB85-105658 **02**-*503,477* PC **A10**/MF **A01**

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N85-27983/4 **20**-*544,937* PC **A02**/MF **A01**

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PAT-APPL-6-598 777 **15**-*534,060* PC **A02**/MF **A01**

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PATENT-4 499 260 **15**-*533,479* Not available NTIS

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Insect-Caused Cone and Seed Losses in Treated and Untreated Loblolly Pine Seed Orchards.
PB85-215309 **20**-*544,546* PC **A02**/MF **A01**

Prescribed Winter Burns Can Reduce the Growth of Nine-Year-Old Loblolly Pines.
PB85-225365 **22**-*549,363* PC **A02**/MF **A01**

Formation of 'Pisolithus' Ectomycorrhizae on Loblolly Pine Seedlings with Spore Pellet Inoculum Applied at Different Times.
PB85-230241 **23**-*551,977* PC **A02**/MF **A01**

Genetic Evaluation of Rapid Height Growth in Pot- and Nursery-Grown Scotch Pine.
PB85-240158 **25**-*557,264* PC **A02**/MF **A01**

Economics of Thinning Stagnated Ponderosa Pine Sapling Stands in the Pine-Grass Areas of Central Washington (Revised).
PB85-246122 **26**-*560,070* PC **A02**/MF **A01**

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Pineal Function in Burns: Melatonin Is Not a Marker for General Sympathetic Activity.
AD-A157 050/6 **23**-*552,240* PC **A02**/MF **A01**

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Dendrochronology of Bristlecone Pine. Final Technical Report, 1 May 1981-31 October 1982.
DE84016244 **02**-*503,660* PC **A02**/MF **A01**

Fertilization in Short-Rotation Woody Crops Plantations.
DE85001674 **05**-*510,671* PC **A02**/MF **A01**

Survival and Growth of Seedlings of 10 Half-Sib Families of Loblolly Pine with Three Ectomycorrhizal Conditions on an Upland Site in South Carolina.
DE85002215 **09**-*518,392* PC **A02**

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Effects of Ectomycorrhizae Removal on Survival and Growth of Loblolly Pine Seedlings with Pisolithus or Natural Ectomycorrhizae on an Upland Site in South Carolina.
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DE85002227 **09**-*518,398* PC **A02**

Survival and Growth of Seedlings of 10 Half-Sib Families of Loblolly Pine with Three Ectomycorrhizal Conditions on an Upland Site in South Carolina. Progress Report.
DE85002229 **09**-*518,399* PC **A02**

Mulching Improves the Growth and Internal Moisture Status of Loblolly Pine and Yellow-Poplar in an Intensively Managed Biomass Plantation.
DE85008187 **17**-*537,093* PC **A02**/MF **A01**

Effect of Seeding and Site Preparation Practices on the Establishment of Sericea (Lespedeza Cuneata). Annual Report, January 1-December 31, 1984.
DE85014152 **23**-*551,955* PC **A02**/MF **A01**

Remote Sensing Forest Biomass for Loblolly Pine Using High Resolution Airborne Sensor Data.
DE85017058 **26**-*560,048* PC **A03**/MF **A01**

PINGERS

Moving Thermoacoustic Array: A Theoretical Feasibility Study.
AD-A154 510/2 **18**-*541,385* PC **A04**/MF **A01**

PINHOLE CAMERAS

Pinhole/Coronograph Pointing Control System Integration and Noise Reduction Analysis.
N84-33773/2 **01**-*501,975* PC **A15**/MF **A01**

Three-Dimensional and Tomographic Imaging Device for X-ray and gamma-Ray Emitting Objects.
PATENT-4 521 688 **24**-*556,157* Not available NTIS

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Ecological Baseline-Pinon Canyon Maneuver Site, Colorado.
AD-A152 811/6 **15**-*532,953* PC **A04**/MF **A01**

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Critical Crack Depth in T-142 Track Pins.
AD-A148 165/4 **04**-*510,151* PC **A02**/MF **A01**

Fatigue Measurement for Remaining Life.
AD-A149 635/5 **09**-*519,711* PC **A03**/MF **A01**

Improvement in the Fatigue Behavior of Tank Track Pins.
AD-A157 616/4 **23**-*554,118* PC **A05**/MF **A01**

Recycling and Reclamation of Used Tank Track Pins.
AD-A157 667/7 **24**-*556,562* PC **A04**/MF **A01**

Approximation to the Problem of a Pin-Loaded Hole in an Orthothropic Plate.
N85-27278/9 **19**-*544,273* PC **A03**/MF **A01**

Stress Distribution in Pin-Loaded Orthotropic Plates.
N85-33547/9 **26**-*561,166* PC **A08**/MF **A01**

PINUS CARIBAE

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PB85-114551 **03**-*506,490* PC **E08**/MF **E08**

PINUS CONTORTA

Lumber Recovery from Insect-Killed Lodgepole Pine in the Northern Rocky Mountains.
PB85-122059 **04**-*508,003* PC **A02**/MF **A01**

Estimating Cubic Volume of Small Diameter Tree-Length Logs from Ponderosa and Lodgepole Pine.
PB85-208429 **19**-*542,167* PC **A02**/MF **A01**

PINUS ECHINATA

Performance of Control-Pollinated Progeny from Selected Shortleaf Pine on a Littleleaf Site in South Carolina.
PB85-103901 **01**-*500,109* PC **A02**/MF **A01**

Prescribed Winter Burns Can Reduce the Growth of Nine-Year-Old Loblolly Pines.
PB85-225365 **22**-*549,363* PC **A02**/MF **A01**

PINUS EDULIS

Soil Water and Temperature in Harvested and Nonharvested Pinyon-Juniper Stands.
PB85-210730 **19**-*542,176* PC **A02**/MF **A01**

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Short Internodes in Western White Pine.
PB85-107852 **02**-*502,846* PC **A02**/MF **A01**

Dead Western White Pine: Characteristics, Product Recovery, and Problems Associated with Utilization.
PB85-212249 **19**-*542,191* PC **A04**/MF **A01**

Ten-Year Results of Fertilizing Grand Fir, Western Hemlock, Western Larch, and Douglas-Fir with Nitrogen in Northern Idaho.
PB85-226876 **22**-*549,368* PC **A02**/MF **A01**

PINUS PONDEROSA

Foliar Nitrogen Content and Tree Growth After Prescribed Fire in Ponderosa Pine.
PB85-122166 **04**-*508,006* PC **A02**/MF **A01**

Biomass Estimators for Thinned Second-Growth Ponderosa Pine Trees.
PB85-123222 **04**-*508,010* PC **A02**/MF **A01**

Modeling Forest Scenic Beauty: Concepts and Application to Ponderosa Pine.
PB85-165587 **11**-*523,314* PC **A03**/MF **A01**

Warpage of Studs from Young Growth Ponderosa Pine from Northern New Mexico.
PB85-172633 **13**-*528,378* PC **A02**/MF **A01**

Lumber Recovery from Ponderosa Pine in Northern California.
PB85-204519 **18**-*539,727* PC **A03**/MF **A01**

Lumber Recovery from Ponderosa Pine in the Black Hills, South Dakota.
PB85-204733 **18**-*539,729* PC **A02**/MF **A01**

Response of Dwarf Mistletoe-Infested Ponderosa Pine to Thinning: 1. Sapling Growth.
PB85-204766 **19**-*542,160* PC **A02**/MF **A01**

Estimating Cubic Volume of Small Diameter Tree-Length Logs from Ponderosa and Lodgepole Pine.
PB85-208429 **19**-*542,167* PC **A02**/MF **A01**

Should Ponderosa Pine Be Planted on Lodgepole Pine Sites.
PB85-211126 **19**-*542,179* PC **A02**/MF **A01**

PINUS TAEDA

Insect-Caused Cone and Seed Losses in Treated and Untreated Loblolly Pine Seed Orchards.
PB85-215309 **20**-*544,546* PC **A02**/MF **A01**

Prescribed Winter Burns Can Reduce the Growth of Nine-Year-Old Loblolly Pines.
PB85-225365 **22**-*549,363* PC **A02**/MF **A01**

PINYON TREES

Woodland Tree Volume Estimation: A Visual Segmentation Technique.
PB85-217891 **20**-*544,550* PC **A02**/MF **A01**

PION BEAMS

Effects of Pions on Normal Tissues.
DE82006135 **24**-*555,188* PC **A02**/MF **A01**

Wide-Angle Optics with Strong Magnetic Fields for Efficient Generation of Secondary-Particle Beams.
DE85007727 **15**-*534,811* PC **A02**/MF **A01**

Large Acceptance Magnetic Focussing Horns for Production of a High Intensity Narrow Band Neutrino Beam at the AGS.
DE85013300 **22**-*551,442* PC **A02**/MF **A01**

Negative Pion Depth-Dose Profile Examined by Means of HeLa Cell Survival Curves.
RL-80-028 **20**-*544,892* PC **A02**/MF **A01**

PION DETECTION

New Approach to Identify Negative and Positive Pions with a Scintillator Range Telescope in the 15-90 MeV Pion Energy Interval.
DE84751156 **01**-*502,161* PC **A02**/MF **A01**

Experimental Determination of an Ionisation Detector for Measuring the Nuclear Lifetime.
DE84751761 **08**-*517,452* PC **A02**/MF **A01**

Gas Sampling Calorimeter Working in Streamer Mode.
DE85700757 **22**-*551,102* PC **A03**/MF **A01**

Pi sup 0 -4 pi . A Pi sup 0 High Solid Angle Detector and Spectrometer.
DE85751322 **20**-*546,148* PC **A04**/MF **A01**

Ring Imaging Cerenkov Detector for the CERN Omega Spectrometer,
PB85-231793 **23**-*553,843* PC **E04**/MF **E04**

PION-DEUTERON INTERACTIONS

Production of pi exp 0 Mesons in pi exp - D Interactions at 21 GeV/C.
DE81700446 **20**-*546,615* MF **A01**

Mesonic and Dibaryonic Excitations in the pi NN System.
DE84016318 **01**-*502,468* PC **A02**/MF **A01**

Standardization of Calculation Programs for the Faddeev Equations as Illustrated by the Elastic Pion-Deuteron Scattering.
DE84702392 **03**-*507,526* PC **A02**/MF **A01**

PION MINUS-NEUTRON INTERACTIONS

Comparison of Space-Time Characteristics of the Radiation Region of Secondary Pions Produced in pi exp - N and pi exp - C Interactions at 40 GeV/C in Different Frames of Reference.
DE84701447 **03**-*507,420* PC **A02**/MF **A01**

Forward Production of High Mass Muon Pairs in Pion-Nucleon Interactions.
DE85008684 **17**-*539,384* PC **A06**/MF **A01**

PION MINUS-PROTON INTERACTIONS

Small-Angle Elastic Scattering of 40 and 50 GeV/C Negative Pions on Protons.
DE81700445 **20**-*546,614* PC **A03**/MF **A01**

Comparison of Meson Behaviour in pi EP Collisions at 40 GeV/C with the Data on E exp + E exp - Annihilation.
DE83704499 **09**-*520,301* PC **A02**/MF **A01**

Study on the Inclusive Charged Particle Characteristics in Jets in pi exp - p Interactions at 40 GeV/C.
DE84701689 **03**-*507,421* PC **A02**/MF **A01**

Simulation of Inelastic High Energy Hadron Collisions.
DE84702244 **03**-*507,465* PC **A02**/MF **A01**

Observation of the R(2510) Neutral Meson with the Spin of J= 6.
DE84702268 **09**-*520,317* PC **A02**/MF **A01**

Observation of Scalar G(1590) Meson Decaying in Two nu Mesons.
DE84702440 **01**-*502,495* PC **A02**/MF **A01**

Comparative Study on the Inclusive Reactions of pi exp - A Yields pi exp + X on the Lithium Isotopes at 2,6 GeV/C.
DE84702547 **01**-*502,512* PC **A02**/MF **A01**

Neutron Polarization in Binary Charge-Exchange Reactions.
DE84702800 **08**-*517,866* PC **A02**/MF **A01**

Radiative Capture and Charge Exchange of Negative Pions on Protons at 27.4 and 39.3 MeV.
DE84702825 **08**-*517,888* PC **A02**/MF **A01**

Fragmentation of Quarks and Diquarks in pi exp - p Interactions at P= 40 GeV/C.
DE84703365 **09**-*520,378* PC **A02**/MF **A01**

Search for the Rare Decay pi exp 0 Yields E exp + E exp - and Measurement of the pi exp - p Yields E exp + E exp - N Reaction at 304 MeV/C.
DE84780496 **01**-*502,541* PC **A06**/MF **A01**

Hard Quark-Quark Scattering with Exclusive Reactions.
DE85004041 **11**-*525,443* PC **A02**/MF **A01**

Results from a Hadron Jet Experiment at Sqrt S = 19.4 and 27.4 GeV.
DE85006128 **12**-*528,004* PC **A02**/MF **A01**

Forward Production of High Mass Muon Pairs in Pion-Nucleon Interactions.
DE85008684 **17**-*539,384* PC **A06**/MF **A01**

Glueball Resonance and Alternative Explanations of the Reaction pi exp - p Yields phi phi n*.
DE85015196 **25**-*559,533* PC **A02**/MF **A01**

Triple Regge Analysis of the Reaction PI exp - p Yields lambda + X at 16 GeV/C.
DE85700163 **09**-*520,548* PC **A02**/MF **A01**

Mechanism for Glueball Production.
DE85700519 **16**-*536,812* PC **A02**/MF **A01**

Weak Exchange Degeneration and Polarization in Binary Reactions pi exp - p Yields K sup 0 lambda and pi exp - p Yields Dsup(-) Lambda Sup(+)Sub(C).
DE85700847 **20**-*546,708* PC **A02**/MF **A01**

X-Particle Production in pi exp - p Collisions at 38 GeV/C.
DE85700855 **20**-*546,716* PC **A02**/MF **A01**

Quark and Diquark Fragmentation into Strange Particles in pi exp - p Interactions at p= 40 GeV/C.
DE85700858 **20**-*546,719* PC **A02**/MF **A01**

Investigation of D(1285) and E(1420) Meson Production in Exclusive Interactions of Negatively Charged Pions and Kaons at the Momentum 32,5 GeV/C.
DE85701011 **22**-*551,583* PC **A02**/MF **A01**

Mechanism of Meson-Nucleon Backward Elastic Scattering at High Energies.
DE85701590 **24**-*556,858* PC **A02**/MF **A01**

Measurement of Polarization in the pi exp - p Yields pi sup 0 N, pi sup 0 Yields 2 gamma Reaction at the Momentum of 40 GeV/C with Detection of All Reaction Products.
DE85701800 **25**-*559,598* PC **A02**/MF **A01**

Differential Cross Section Measurement of pi exp - + p Yields pi exp 0 + n and pi exp - + p Yields pi + n (Eta Yields 2 gamma) Reactions at 100 GeV/C.
DE85751063 **19**-*544,189* PC **A05**/MF **A01**

Forward Particle Production in pi exp - p and K exp - p Collisions at 58 GeV/C and Comparison with Quark Models.
DE85752207 **25**-*559,637* PC **A04**/MF **A01**

Phenomenological Analysis of the Pion-Nucleon Scattering in the High Energy Region.
DE85780318 **15**-*534,977* PC **A07**/MF **A01**

PION MINUS REACTIONS

Excitation of Giant Resonances in Pion Charge-Exchange Reactions.
DE84016978 **02**-*504,983* PC **A02**/MF **A01**

Investigation of the eta Production on Aluminium and Copper Nuclei by pi exp - Mesons at the Momentum of 3.3 GeV/C.
DE84702313 **03**-*507,517* PC **A02**/MF **A01**

Experimental Data on the Kaon and Hyperon Interaction inside a Nucleus.
DE84702630 **03**-*507,546* PC **A02**/MF **A01**

Cross Sections of Neutron Production with Energies of 7,5-190 MeV in the p+ A Yields n+ X Reaction at 1-9 GeV/C, pi exp + + A Yields n+ X Reaction at 1-6 GeV/C, pi exp - + A Yields n+ X Reaction at 1,4 and 5 GeV/C.
DE84702646 **03**-*507,560* PC **A04**/MF **A01**

Angular Distributions of Nucleons Emitted in High Energy Hadron-Nucleus Collisions.
DE84702647 **03**-*507,561* PC **A02**/MF **A01**

Charged Particle Multiplicities in 40 GeV/C Hadron-Nucleus Interactions with and Without a High Psub(Tr) Trigger.
DE84702827 **08**-*517,890* PC **A02**/MF **A01**

Cross Section of 70-230 MeV Proton Production in the p + A Yields p + X Reactions at 1-9 GeV/C, pi exp + + A Yields p + X at 1-6 GeV/C and in the pi exp - + A Yields p + X at 1.4 and 5 GeV/C.
DE84702866 **09**-*520,325* PC **A05**/MF **A01**

Production of omega and phi Mesons by 193 GeV/C Pions and 250 GeV/C Protons on a Beryllium Target.
DE85011217 **20**-*546,645* PC **A08**/MF **A01**

Isovector Resonances in Pion Charge Exchange.
DE85012746 **22**-*551,547* PC **A02**/MF **A01**

Elastic Scattering of pi Sup(+ -)-Mesons on sup 4 He and sup 3 He (Experimental Data).
DE85700174 **09**-*520,553* PC **A02**/MF **A01**

Target Mass Number Dependence of Cluster Excitation in Hadron-Nucleus Collisions.
DE85700575 **18**-*541,793* PC **A02**/MF **A01**

Hadron Jets in Cumulative Processes for pi exp - C Interactions at p= 40 GeV/C.
DE85701186 **20**-*546,739* PC **A02**/MF **A01**

Description of Multiplicity Distributions of Negative Particles in Hadron (Anti p, pi exp - ,K exp -)-Nucleus (Li,C,S,Cu,CsI,Pb) Interactions at 40 GeV/C.
DE85701188 **20**-*546,741* PC **A02**/MF **A01**

2 exp - Resonances in the pi exp + pi exp - pi exp - Systems.
DE85701799 **25**-*559,597* PC **A02**/MF **A01**

Coincident Measurement of the Reaction of sup 16 O(pi Sup(+ -), Pi Sup(+ -)'P) at 240 MeV.
DE85780028 **09**-*520,570* PC **A07**/MF **A01**

PION-NUCLEON INTERACTIONS

Flavor and Baryon Quantum Number Renormalizations in the P + F Model.
CNRS-CPT-79-PE-1150 **20**-*546,581* PC **A02**/MF **A01**

Partial Coefficients of Inelasticity in Pion-Nucleon and Pion-Carbon Interactions at 40 GeV/C in Central Region and in Fragmentation Regions of Incident Particle and Target.
DE84702101 **03**-*507,444* PC **A02**/MF **A01**

Phenomenological Approximation of the Inclusive Resonance Production Cross Section in Inelastic N-N and pi - N Collisions.
DE84702628 **03**-*507,544* PC **A02**/MF **A01**

New Method of Phase Shift Analysis by Using the Pade Approximants.
DE84702821 **08**-*517,884* PC **A02**/MF **A01**

Contribution to the Simulation of p-Nucleus Inelastic Interactions Between 300 MeV and 1 GeV.
DE84751377 **04**-*510,270* PC **A05**/MF **A01**

Particle Detector Performance in a Fermilab Experiment.
DE85005503 **11**-*525,416* PC **A05**/MF **A01**

New Meson-Nucleus Dynamics from Studies of (Pi ,eta) and (Pi ,2 pi) Reactions.
DE85012753 **24**-*556,790* PC **A02**

Pion-Skyrmion Scattering: Collective Coordinates at Work.
DE85014957 **26**-*561,784* PC **A02**/MF **A01**

P-Matrix in the Quark Compound Bag Model.
DE85700666 **20**-*546,679* PC **A03**/MF **A01**

PION-PION INTERACTIONS

Investigation of Properties of Pion Excitations in Nuclear Matter for Different Effective pi pi -Interactions.
DE85700867 **20**-*546,726* PC **A02**/MF **A01**

Relation Between High-Energy and Low-Energy Parameters of pi pi Interaction.
DE85701774 **25**-*559,574* PC **A02**/MF **A01**

PION PLUS-PROTON INTERACTIONS

Energy Dependent Partial Wave Analysis of pi exp + p Yields K exp + sigma exp + Between Threshold and 2.35 GeV.
DE84702545 **01**-*502,510* PC **A02**/MF **A01**

Mechanism of Meson-Nucleon Backward Elastic Scattering at High Energies.
DE85701590 **24**-*556,858* PC **A02**/MF **A01**

Experimental Study on the pi exp + p Yields K exp + sigma exp + Reaction at 12 GeV/C.
DE85701801 **25**-*559,599* PC **A02**/MF **A01**

Differential Cross Section of the pi exp + p Yields K exp + sigma exp + (1385) Reacton at 12 GeV/C.
DE85701802 **25**-*559,600* PC **A02**/MF **A01**

Phenomenological Analysis of the Pion-Nucleon Scattering in the High Energy Region.
DE85780318 **15**-*534,977* PC **A07**/MF **A01**

PION PLUS REACTIONS

Excitation of Giant Resonances in Pion Charge-Exchange Reactions.
DE84016978 **02**-*504,983* PC **A02**/MF **A01**

Pi exp 0 and eta Meson Production in Hadron-Nucleus Interactions at the Momentum of 10.5 GeV/C.
DE84702093 **03**-*507,436* PC **A02**/MF **A01**

Cross Sections of Neutron Production with Energies of 7,5-190 MeV in the p+ A Yields n+ X Reaction at 1-9 GeV/C, pi exp + + A Yields n+ X Reaction at 1-6 GeV/C, pi exp - + A Yields n+ X Reaction at 1,4 and 5 GeV/C.
DE84702646 **03**-*507,560* PC **A04**/MF **A01**

Cross Section of 70-230 MeV Proton Production in the p + A Yields p + X Reactions at 1-9 GeV/C, pi exp + + A Yields p + X at 1-6 GeV/C and in the pi exp - + A Yields p + X at 1.4 and 5 GeV/C.
DE84702866 **09**-*520,325* PC **A05**/MF **A01**

Contributions of Pair Correlations to Pion-Nucleus Double Charge Exchange.
DE85000938 **04**-*510,280* PC **A02**/MF **A01**

Nuclear Structure at Intermediate Energies. Progress Report, 1984-1985.
DE85004348 **09**-*520,486* PC **A04**/MF **A01**

Pion Inelastic Scattering to the First Three Excited States of Lithium-6.
DE85005319 **12**-*527,992* PC **A09**/MF **A01**

Nuclear Structure Studies with Pions and Light Ions. Informal Progress Report, June 1, 1984-May 31, 1985.
DE85006700 **12**-*528,011* PC **A02**/MF **A01**

Searching for Hidden Color with Pion-Nucleus Double Charge Exchange.
DE85007775 **14**-*532,631* PC **A02**/MF **A01**

Searching for 6-Quark, Hidden Color Clusters with the Pion-Nucleus Double Charge Exchange Reaction.
DE85007839 **14**-*532,639* PC **A02**/MF **A01**

Measurement of Pion Double Charge Exchange on Carbon-13, Carbon-14, Magnesium-26, and Iron-56.
DE85010355 **17**-*539,395* PC **A07**/MF **A01**

Isovector Resonances in Pion Charge Exchange.
DE85012746 **22**-*551,547* PC **A02**/MF **A01**

Elastic Scattering of pi Sup(+ -)-Mesons on sup 4 He and sup 3 He (Experimental Data).
DE85700174 **09**-*520,553* PC **A02**/MF **A01**

Measurement of the Vector Analyzing Power of the Elastic Pion-Deuteron Scattering in the Range of Presumed Dibaryon Resonances.
DE85780027 **09**-*520,569* PC **A05**/MF **A01**

Coincident Measurement of the Reaction of sup 16 O(pi Sup(+ -), Pi Sup(+ -)'P) at 240 MeV.
DE85780028 **09**-*520,570* PC **A07**/MF **A01**

PION-PROTON INTERACTIONS

Task A: Direct Photon Production (R807/808) and Lepton Production (NA34). Task B: Direct Photon Production at the Tevatron (E-706). Task C: Search for Fractional Charge Particles in Semiconductors. Progress Report, June 1, 1984-May 31, 1985.
DE85005202 **11**-*525,472* PC **A06**/MF **A01**

Monte Carlo Simulation of Multiple Production at High Energy Hadron Collisions.
DE85700669 **20**-*546,682* PC **A02**/MF **A01**

Large Transverse Momentum Single and Pair Hadron Production in Proton and pi -Meson Beams. FODS-2 Experiment Proposal.
DE85700856 **20**-*546,717* PC **A03**/MF **A01**

Cross Section Growth of Hadron-Hadron Interactions and Its Possible Connection with Glueball Existence.
DE85701775 **25**-*559,575* PC **A02**/MF **A01**

Total Hadron Interaction Cross Section Growth.
DE85701793 **25**-*559,591* PC **A02**/MF **A01**

Spin Effects in Hadron Interactions at High Energies.
DE85701796 **25**-*559,594* PC **A02**/MF **A01**

PION REACTIONS

Experiments on the Nuclear Interactions of Pions. Progress Report.
DE84015611 **01**-*502,466* PC **A07**/MF **A01**

Partial Coefficients of Inelasticity in Pion-Nucleon and Pion-Carbon Interactions at 40 GeV/C in Central Region and in Fragmentation Regions of Incident Particle and Target.
DE84702101 **03**-*507,444* PC **A02**/MF **A01**

Information on Pion-Nucleus Optical Potentials from Elastic Scattering.
DE84702861 **08**-*517,917* PC **A02**/MF **A01**

Electron and Pion Interactions with Nuclei. Progress Report, August 1, 1983-August 1, 1984.
DE85000004 **06**-*514,137* PC **A04**/MF **A01**

Pion Interactions at Medium Energies. Progress Report, February 1, 1984-January 31, 1985.
DE85003422 **08**-*518,000* PC **A07**/MF **A01**

Nuclear Structure Studies with Pions and Light Ions. Informal Progress Report, June 1, 1984-May 31, 1985.
DE85006700 **12**-*528,011* PC **A02**/MF **A01**

New Meson-Nucleus Dynamics from Studies of (Pi ,eta) and (Pi ,2 pi) Reactions.
DE85012753 **24**-*556,790* PC **A02**

Energy Dependence Phase Shift Analysis of pi sup 4 He Elastic Scattering and the Possibility of the (pi sup 4 He) Excited States Existence.
DE85700171 **09**-*520,551* PC **A03**/MF **A01**

Off-Energy-Shell Effects in the Elastic Pion-Nucleus Scattering.
DE85700690 **20**-*546,700* PC **A02**/MF **A01**

Pion Deuteron Scattering and the delta N Interaction.
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PB85-229417 **23**-*554,285* Not available NTIS

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PB85-231066 **23**-*554,286* PC **E03**/MF **E03**

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DE85008288 **14**-*532,612* PC **A02**/MF **A01**

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DE85008447 **14**-*532,617* PC **A02**/MF **A01**

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DE85013121 **21**-*549,129* PC **A07**/MF **A01**

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Theoretical Study of Collective Ion Acceleration in the Luce Diode.
AD-A150 107/1 **09**-*520,578* PC **A07**/MF **A01**

Electromagnetic Acceleration of Macroparticles to Hypervelocities in Axisymmetric Geometry.
N85-15484/7 **09**-*520,619* PC **A02**/MF **A01**

PLASMA ARC WELDING

Plasma Arc Welding, Equipment, Installation, and Process Control.
DE85008481 **18**-*541,246* PC **A03**/MF **A01**

Variable Polarity Plasma Arc Welding Process: Its Application to the Space Shuttle External Tank.
N85-14115/8 **08**-*517,198* PC **A02**/MF **A01**

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N85-33551/1 **26**-*561,167* PC **A03**/MF **A01**

PLASMA ARMATURE

Railgun Plasma Armature Characterisation Experiments,
AD-A149 083/8 **07**-*514,784* PC **A03**/MF **A01**

PLASMA BEAMS

Experimental Investigation of Neutral Plasma Beam Propagation Across a Magnetic Field.
AD-A150 944/7 **11**-*525,510* PC **A05**/MF **A01**

PLASMA BUBBLES

Observacoes de Bolhas de Plasma E de Sua Deriva Zonal Usando Polarimetros (Observations of Plasma Bubbles and Their Zonal Drift Using Polarimeters).
N85-14688/4 **08**-*515,840* PC **A02**/MF **A01**

PLASMA CHEMISTRY

Spatial Resolution of Small Particles in Silane Discharge.
AD-A150 953/8 **11**-*523,970* PC **A02**/MF **A01**

PLASMA COMPOSITION

Numerical Analysis on the Ion Species Ratios in a Steady State Hydrogen Plasma.
N84-34269/0 **01**-*502,565* PC **A03**/MF **A01**

Isee-1 Data Reduction and Analysis Plasma Composition Experiment.
N85-32552/0 **24**-*554,679* PC **A05**/MF **A01**

PLASMA CONDUCTIVITY

Asymmetric Flux Generation and Its Relaxation in Reversed Field Pinch.
N85-26387/9 **18**-*541,835* PC **A02**/MF **A01**

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DE85000867 **06**-*514,189* PC **A02**/MF **A01**

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DE85002127 **04**-*510,342* PC **A02**/MF **A01**

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DE85760716 **17**-*539,433* PC **A11**/MF **A01**

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PB85-226793 **22**-*551,703* PC **E04**/MF **E01**

PLASMA CONTROL

Propagator Expansion Method for Solving Linearized Plasma Kinetic Equations with Collisions.
AD-A147 524/3 **03**-*507,630* PC **A02**/MF **A01**

Turbulent Diffusion for the Radial Twist Map.
N84-34267/4 **01**-*502,563* PC **A02**/MF **A01**

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N85-27680/6 **19**-*543,811* PC **A02**/MF **A01**

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PLASMA COOLING

Catastrophe in Plasma Focus Evolution.
N84-34268/2 **01**-*502,564* PC **A02**/MF **A01**

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Plasma Current Multiplier,
PB85-119303 **04**-*510,346* PC **E08**/MF **E01**

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Generation of Suprathermal Electrons During Plasma Current Startup by Lower Hybrid Waves in a Tokamak.
N85-15483/9 **09**-*520,618* PC **A02**/MF **A01**

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DE84702792 **09**-*519,896* PC **A03**/MF **A01**

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DE85700833 **19**-*544,221* PC **A02**/MF **A01**

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AD-A154 942/7 **18**-*540,548* PC **A03**/MF **A01**

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AD-A155 482/3 **19**-*542,981* PC **A03**/MF **A01**

Plasma Theory and Simulation.
AD-A156 747/8 **22**-*551,662* PC **A04**/MF **A01**

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AD-A157 456/5 **23**-*554,279* PC **A03**/MF **A01**

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AD-A156 630/6 **22**-*551,661* PC **A03**/MF **A01**

Far-Infrared Interferometry/Polarimetry on the ISX-B Tokamak.
DE84015401 **04**-*510,324* PC **A02**/MF **A01**

Background Calculations for the Measurement of the Ion Temperature in a Deuterium Plasma.
DE84016546 **02**-*505,033* PC **A02**/MF **A01**

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DE84701970 **03**-*507,640* PC **A03**/MF **A01**

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DE84701972 **03**-*507,642* PC **A03**/MF **A01**

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DE84703199 **10**-*523,050* PC **A02**/MF **A01**

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DE84703339 **10**-*523,056* PC **A03**/MF **A01**

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DE84703486 **10**-*523,061* PC **A02**/MF **A01**

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DE85004938 **11**-*525,532* PC **A02**/MF **A01**

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DE85005270 **11**-*525,534* PC **A02**/MF **A01**

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DE85005341 **11**-*525,537* PC **A02**/MF **A01**

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DE85012082 **20**-*546,868* PC **A07**/MF **A01**

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DE85014140 **22**-*551,684* PC **A03**/MF **A01**

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N84-33786/4 **01**-*502,009* PC **A03**/MF **A01**

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N85-10138/4 **03**-*505,886* PC **A07**/MF **A01**

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Velocity Space Diffusion of High Energy Ions Induced by a Lower Hybrid Wave in a Nonuniform Magnetic Field.
N85-27681/4 **19**-*544,235* PC **A02**/MF **A01**

PLASMA DISPLAY DEVICES

Frictional and Structural Characterization of Ion-Nitrided Low and High Chromium Steels.
N85-23085/2 **15**-*534,037* PC **A02**/MF **A01**

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Simulating the Effects of Plasma Disruption with a 1 MA Current Pulse in a Coaxial Test Fixture.
DE85010491 **18**-*541,460* PC **A02**/MF **A01**

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DE85700236 **11**-*525,570* PC **A02**/MF **A01**

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DE85701298 **25**-*559,693* PC **A02**/MF **A01**

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DE84751811 **03**-*507,668* PC **A02**/MF **A01**

Solutions to Non-Linear Rate Equations with Diffusion.
DE84780430 **01**-*502,561* PC **A03**/MF **A01**

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DE85000729 **04**-*510,327* PC **A02**/MF **A01**

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DE85007683 **13**-*530,504* PC **A03**/MF **A01**

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DE85007853 **16**-*536,864* PC **A04**/MF **A01**

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DE85750100 **11**-*525,571* PC **A04**/MF **A01**

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DE85780949 **20**-*546,896* PC **A03**/MF **A01**

Plasma Drift Towards a Plane Equipotential Surface.
N85-11860/2 **04**-*510,345* PC **A02**/MF **A01**

Observacoes de Bolhas de Plasma E de Sua Deriva Zonal Usando Polarimetros (Observations of Plasma Bubbles and Their Zonal Drift Using Polarimeters).
N85-14688/4 **08**-*515,840* PC **A02**/MF **A01**

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N85-26386/1 **18**-*541,834* PC **A04**/MF **A01**

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PB85-148302
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AD-A156 043/2 **21**-*549,051* PC **A02**/MF

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PLATINUM 195

Further Tests of the Multi-J Supersymmetry Scheme Using Transfer Reactions.
DE84780435 **01**-*502,531* PC **A02**/MF **A01**

Tests of Supersymmetries with the (N, gamma) Reaction.
DE85003206 **08**-*517,994* PC **A02**/MF **A01**

Boson-Fermion Symmetries in the W-Pt Region.
DE85009755 **18**-*541,745* PC **A02**/MF **A01**

PLATINUM 196

E2/M1 Mixing Ratios in sup 196 Pt from the sup 195 Pt(N, gamma) sup 196 Pt Reaction.
DE85000881 **06**-*514,153* PC **A02**/MF **A01**

PLATINUM 197

Further Tests of the Multi-J Supersymmetry Scheme Using Transfer Reactions.
DE84780435 **01**-*502,531* PC **A02**/MF **A01**

PLATINUM ALLOYS

Determination of Platinum Metals and Americium when Analysing These Element Intermetallic Compounds and Alloys.
DE84702653 **02**-*503,581* PC **A02**/MF **A01**

Phase Stability and Magnetic Properties of UAl sub 2 Based Pseudobinary Spin Fluctuation Compounds.
DE85005317 **11**-*525,630* PC **A06**/MF **A01**

Ultrasonic Attenuation in Clean Anisotropic Superconductors.
DE85012178 **22**-*551,770* PC **A02**/MF **A01**

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DE85701163 **20**-*545,511* PC **A03**/MF **A01**

Compatibility Experiments of Facilities, Materials, and Propellants for Electrothermal Thrusters.
N85-21260/3 **14**-*532,859* PC **A02**/MF **A01**

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N85-32176/8 **24**-*555,338* PC **A02**/MF **A01**

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DE85701196 **20**-*544,980* PC **A03**/MF **A01**

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DE85750646 **17**-*537,668* PC **A03**/MF **A01**

PLATINUM COMPOUNDS

Photochemical Generation of Bis(Phosphine)Palladium and Bis(Phosphine)Platinum Equivalents.
AD-A158 463/0 **25**-*558,016* PC **A02**/MF **A01**

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N85-13038/3 **07**-*514,995* PC **A03**/MF **A01**

Anti-Trypanosomal Activity of Platinum Co-ordination Compounds.
PATENT-4 532 122 **26**-*560,390* Not available NTIS

PLATINUM/ (DIAMINO-CYCLOHEXYL)-TETRACHLORO

New Antineoplastic Platinum (IV) Complexes.
PAT-APPL-6-585 111 **10**-*521,666* PC **A03**/MF **A01**

PLATINUM DIBROMIDES

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AD-A153 069/0 **15**-*533,510* Not available NTIS

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DE84703115 **08**-*517,932* PC **A02**/MF **A01**

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DE85008284 **15**-*534,858* PC **A02**/MF **A01**

PLATINUM METAL ALLOYS

Noble Metals as Incipient Transition Metals.
DE85013283 **21**-*548,144* PC **A02**/MF **A01**

PLATINUM SULFIDES

Study of the Precipitation of Platinum from Dilute Aqueous Solution.
DE85009232 **15**-*533,565* PC **A04**/MF **A01**

PLATIUM URANIUM

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DE85012178 **22**-*551,770* PC **A02**/MF **A01**

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Decision Aid for Addressing Supervisor Span of Control Problems.
AD-A148 332/0 **05**-*512,139* PC **A03**/MF **A01**

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Research and Development of Shallow Algal Mass Culture Systems for the Production of Oils.
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AD-A157 181/9 **23**-*552,250* PC **A02**/MF **A01**

PLOESTI RAID

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AD-A146 438/7 **01**-*502,058* PC **A03**/MF **A01**

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PB85-109502 **03**-*506,159* PC **A02**/MF **A01**

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AD-A146 227/4 **01**-*501,151* PC **A03**/MF **A01**

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AD-A148 489/8 **05**-*511,963* PC **A03**/MF **A01**

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AD-A151 030/4 **11**-*523,858* PC **A02**/MF **A01**

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N85-31846/7 **23**-*552,817* PC **A03**/MF **A01**

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DE84017068 **02**-*505,040* PC **A02**/MF **A01**

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DE84017070 **02**-*504,604* PC **A02**/MF **A01**

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DE85002125 **04**-*510,341* PC **A03**/MF **A01**

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DE85002126 **06**-*514,208* PC **A02**/MF **A01**

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DE85005589 **11**-*525,544* PC **A03**/MF **A01**

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DE85008710 **15**-*535,029* PC **A03**/MF **A01**

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DE85008712 **15**-*535,030* PC **A02**/MF **A01**

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DE85013762 **22**-*551,681* PC **A03**/MF **A01**

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DE85015308 **24**-*556,265* PC **A02**/MF **A01**

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DE85700114 **11**-*525,559* PC **A02**/MF **A01**

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DE85780910 **20**-*546,098* PC **A02**/MF **A01**

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N85-13549/9 **07**-*515,687* PC **A09**/MF **A01**

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DE85011192 **23**-*552,921* PC **A02**/MF **A01**

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N85-25795/4 **18**-*541,431* PC **A10**/MF **A01**

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N85-32272/5 **24**-*555,697* PC **A02**/MF **A01**

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PB85-169738 **12**-*526,852* PC **A02**/MF **A01**

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PB85-131878 **05**-*512,008* PC **A06**/MF **A01**

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PB85-158228 **10**-*522,319* PC **A04**/MF **A01**

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PB85-177962 **12**-*527,443* PC **A04**/MF **A01**

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AD-A150 019/8 **09**-*518,458* PC **A08**/MF **A01**

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DE85750874 **17**-*537,147* PC **A04**/MF **A01**

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PB85-200020 **18**-*539,778* PC **A03**/MF **A01**

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PB85-214443 **20**-*545,091* PC **A05**/MF **A01**

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DE85780434 **15**-*534,629* PC **A03**/MF **A01**

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DE85002421 **07**-*515,412* PC **A02**/MF **A01**

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DE85780296 **17**-*539,214* PC **A05**/MF **A01**

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PLUTONIUM 236

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

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DE84702666 **01**-*500,852* PC **A13/MF A01**

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DE85013446 **22**-*549,847* PC **A02**/MF **A01**

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DE85014015 **23**-*552,583* PC **A02**/MF **A01**

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DE85750925 **17**-*537,751* PC **A09**/MF **A01**

PLUTONIUM 239

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DE84703134 **10**-*521,621* PC **A03**/MF **A01**

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DE85002015 **05**-*512,499* PC **A02**/MF **A01**

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DE85003451 **08**-*517,447* PC **A04**/MF **A01**

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DE85005376 **13**-*530,252* PC **A02**/MF **A01**

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Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

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DE85012717 **23**-*553,821* PC **A02**/MF **A01**

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DE85013394 **21**-*548,844* PC **A02**/MF **A01**

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DE85016209 **25**-*559,189* PC **A07**/MF **A01**

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Evaluation Model for PWR Irradiated Fuel.
DE85780600 **16**-*536,683* PC **A08**/MF **A01**

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DE85780843 **17**-*539,415* PC **A05**/MF **A01**

PLUTONIUM 239 TARGET

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
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Neutron Scattering on Deformed Nuclei.
DE84017049 **02**-*504,988* PC **A02**/MF **A01**

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DE84702890 **09**-*520,333* PC **A02**/MF **A01**

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DE85004712 **11**-*525,455* PC **A02**/MF **A01**

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DE85011931 **22**-*551,518* PC **A02**/MF **A01**

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DE85012699 **22**-*551,541* PC **A02**/MF **A01**

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DE85013095 **22**-*551,558* PC **A02**/MF **A01**

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Parameters of the Multilevel Analysis of the Pu-239 Cross Sections in Resonance Region.
DE85701018 **22**-*551,587* PC **A02**/MF **A01**

PLUTONIUM 240

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

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DE85016156 **26**-*561,638* PC **A02**/MF **A01**

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DE85751337 **20**-*546,788* PC **A02**/MF **A01**

Evaluation Model for PWR Irradiated Fuel.
DE85780600 **16**-*536,683* PC **A08**/MF **A01**

Half Life of Plutonium-240.
PB85-124071 **04**-*510,316* Not available NTIS

PLUTONIUM 240 TARGET

Neutron Scattering Studies in the Actinide Region. Progress Report, July 2, 1984-July 30, 1985.
DE85017166 **26**-*561,809* PC **A03**/MF **A01**

PLUTONIUM 241

Determination of Pu-241 by Liquid Scintillation Counting in the Environment of the Karlsruhe Nuclear Research Center.
DE83751314 **11**-*525,175* PC **A04**/MF **A01**

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

Prompt Neutron Fission Spectrum Mean Energies for the Fissile Nuclides and sup 252 Cf.
DE85012181 **24**-*556,783* PC **A02**/MF **A01**

Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Feasibility Study of Plutonium Isotopic Analysis of Resin Beads by Nondestructive gamma-Ray Spectroscopy.
DE85012717 **23**-*553,821* PC **A02**/MF **A01**

Platinum Overlay Technique for Single Carbonized Rhenium Filaments.
DE85014015 **23**-*552,583* PC **A02**/MF **A01**

Neutron Nuclear Data for Pu-240.
DE85701596 **24**-*556,862* PC **A03**/MF **A01**

Evaluation Model for PWR Irradiated Fuel.
DE85780600 **16**-*536,683* PC **A08**/MF **A01**

PLUTONIUM 241 TARGET

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

Least Squares Fit of Thermal Data for Fissile Nuclei.
DE85004712 **11**-*525,455* PC **A02**/MF **A01**

Reevaluation of the Average Prompt Neutron Emission Multiplicity (Nubar) Values from Fission of Uranium and Transuranium Nuclides.
DE85005130 **11**-*525,470* PC **A02**/MF **A01**

Mean Fission Neutron Spectrum Energies for sup 252 Cf and Fissile Nuclides, sup 233 U, sup 235 U, sup 239 Pu and sup 241 Pu.
DE85013298 **22**-*551,559* PC **A02**/MF **A01**

PLUTONIUM 242

Stations VZD and VZE: Composition of Ending Inventory Reports.
DE84013161 **02**-*504,680* PC **A02**/MF **A01**

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

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DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Plutonium-242 Nuclear Data Evaluation.
DE85701350 **25**-*559,336* PC **A03**/MF **A01**

Neutron Nuclear Data for Pu-240.
DE85701596 **24**-*556,862* PC **A03**/MF **A01**

Backbending in sup 242 Pu and sup 244 Pu.
DE85751534 **20**-*546,801* PC **A05**/MF **A01**

Evaluation Model for PWR Irradiated Fuel.
DE85780600 **16**-*536,683* PC **A08**/MF **A01**

Plutonium-242 Nuclear Data Evaluation.
PB85-193928 **16**-*536,856* PC **E04**/MF **E01**

PLUTONIUM 242 TARGET

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DE85017166 **26**-*561,809* PC **A03**/MF **A01**

Results of Coupled Channels Calculations for the Neutron Cross Sections of a Set of Actinide Nuclei.
DE85700149 **20**-*546,656* PC **A06**/MF **A01**

PLUTONIUM 244

Parameters for Several Plutonium Nuclides and sup 252 Cf of Safeguards Interest.
DE84013227 **01**-*502,277* PC **A03**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

Backbending in sup 242 Pu and sup 244 Pu.
DE85751534 **20**-*546,801* PC **A05**/MF **A01**

PLUTONIUM 244 TARGET

Neutron Scattering Studies in the Actinide Region. Progress Report, July 2, 1984-July 30, 1985.
DE85017166 **26**-*561,809* PC **A03**/MF **A01**

PLUTONIUM ALLOYS

Plutonium Metal and Alloy Preparation by Molten Chloride Reduction.
DE85005726 **11**-*523,935* PC **A02**/MF **A01**

Magnetic Properties and Electronic Structure of the Actinide Systems UAl sub 2 , NpAl sub 2 , and PuAl sub 2.
DE85014102 **24**-*557,020* PC **A02**/MF **A01**

PLUTONIUM CARBONATES

Actinide Solution Equlibria and Solubilities in Geologic Systems.
DE85701275 **23**-*553,983* PC **A04**/MF **A01**

PLUTONIUM COMPLEXES

Plutonium Interactions with Soil Microbial Metabolites: Effect on Plutonium Sorption by Soil.
DE85007427 **20**-*544,851* PC **A04**/MF **A01**

PLUTONIUM COMPOUNDS

Spectroscopic and Electrochemical Studies of Selected Lanthanides and Actinides in Concentrated Aqueous Carbonate and Carbonate-Hydroxide Solutions and in Molten Dimethyl Sulfone.
DE85006381 **12**-*526,683* PC **A09**/MF **A01**

Investigations on the Oxidation of Nitric Acid Plutonium Solutions with Ozone.
DE85780848 **17**-*539,203* PC **A04**/MF **A01**

PLUTONIUM DIOXIDE

Remote Fabrication of Nuclear Fuel: A Secure Automated Fabrication Overview.
DE82006030 **24**-*556,519* PC **A02**/MF **A01**

Preirradiation Microstructural Characterization of FFTF Mixed Oxide Fuel.
DE82011168 **24**-*556,520* PC **A03**/MF **A01**

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DE84015243 **01**-*502,278* PC **A02**/MF **A01**

Thermophysical Properties of Fast Reactor Fuel.
DE84015832 **02**-*504,793* PC **A02**/MF **A01**

Dissolution of Plutonium Dioxide in Nitric Acid.
DE84752132 **10**-*521,719* PC **A02**/MF **A01**

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DE85003441 **09**-*520,156* PC **A03**/MF **A01**

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DE85003984 **10**-*522,382* PC **A02**

DOR-ER Direct Oxide Reduction Electrorefining at Rocky Flats.
DE85004974 **10**-*521,656* PC **A02**

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DE85007385 **12**-*527,858* PC **A02**/MF **A01**

Long-Term Exposure of sup 238 PuO sub 2 to a Terrestrial Environment. Volume 3.
DE85011896 **19**-*543,912* PC **A02**/MF **A01**

Automated Amperometric Plutonium Assay System.
DE85014007 **23**-*554,074* PC **A02**/MF **A01**

Pu-238 Fuel Form Activities, January 1-31, 1985.
DE85014940 **24**-*556,283* PC **A02**/MF **A01**

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DE85016448 **26**-*561,619* PC **A02**/MF **A01**

Leaching Behavior of Particulate Plutonium Oxide.
DE85017947 **26**-*561,506* PC **A02**/MF **A01**

Test of Calorimetry for High Burn-Up Plutonium.
DE85701521 **23**-*554,060* PC **A03**/MF **A01**

Preliminary Findings of the Effect of Surface Finish and Coatings on PuO sub 2 Contamination Hold-Up and Ease of Decontamination in Aqueous and Non-Aqueous Media.
DE85701876 **25**-*559,157* PC **A02**/MF **A01**

Dissolution of Plutonium Dioxide by Sulfuric Acid Digestion of Plutonium-Containing Waste and Processes for Separation of Plutonium from Sulfuric Acid Solutions.
DE85751874 **26**-*561,483* PC **A05**/MF **A01**

Dissolution of ThO sub 2 , UO sub 2 and PuO sub 2 in Nitric Acid.
DE85751875 **26**-*561,484* PC **A03**/MF **A01**

Gas Adsorption During Storage of Plutonium Dioxide Powders.
DE85752062 **26**-*561,423* PC **A02**/MF **A01**

Fabrication of MOX Fuel Element Clusters for Irradiation in PWL, CIRUS.
DE85781170 **24**-*556,537* PC **A02**/MF **A01**

Development of a Dry Recycling Route for Rejected UO sub 2 and UO sub 2 -4 Wt % PuO sub 2 Sintered Pellets.
DE85900991 **20**-*546,433* PC **A02**/MF **A01**

PLUTONIUM FLUORIDES

Engineering Analysis of the Two-Stage Trifluoride Precipitation Process.
DE84016860 **02**-*503,557* PC **A03**/MF **A01**

Multipurpose Pan Development.
DE85012326 **22**-*551,148* PC **A02**/MF **A01**

PLUTONIUM HYDRIDES

Heat Capacity (8 to 350 K) of PuH sub 1 sub 9 , Heat Capacity (340 to 600 K) of PuH sub 2 sub 0 , and Recommended Thermodynamic Properties of PuH sub 2 to 600 K.
DE85003957 **10**-*521,721* PC **A03**

PLUTONIUM HYDROXIDES

Actinide Solution Equlibria and Solubilities in Geologic Systems.
DE85701275 **23**-*553,983* PC **A04**/MF **A01**

PLUTONIUM ISOTOPES

High-Precision Isotopic Analysis of Nanogram Quantities of Plutonium.
DE85001525 **05**-*512,217* PC **A02**/MF **A01**

Total and Spontaneous Fission Half-Lives of the Uranium and Plutonium Nuclides.
DE85004703 **11**-*525,454* PC **A02**/MF **A01**

Uranium and Plutonium Total Half-Lives and for the Spontaneous Fission Branch.
DE85012273 **22**-*551,532* PC **A02**/MF **A01**

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DE85751623 **23**-*553,823* PC **A09**/MF **A01**

IDA-80 Measurement Evaluation Programme on Mass Spectrometric Isotope Dilution Analysis of Uranium and Plutonium. Vol. 2.
DE85751647 **23**-*552,518* PC **A06**/MF **A01**

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PB85-222313 **21**-*548,847* Not available NTIS

PLUTONIUM NITRATES

Transport of Plutonium Nitrate.
DE83703490 **02**-*504,635* PC **A02**/MF **A01**

Calculation of Criticality Parameters for Uranium and/or Plutonium Nitrate Solutions, 1. Evaluation of Density and Atomic Number Density of the Solutions.
DE84702111 **03**-*507,014* PC **A04**/MF **A01**

Apparatus for Denitration of Uranyl Nitrate and/or Plutonium Nitrate.
DE85005305 **11**-*525,286* PC **A02**/MF **A01**

PLUTONIUM OXIDES

Sublimation and Thermochromatography of Actinide and Lanthanide Lower Oxides.
DE84702456 **01**-*501,057* PC **A02**/MF **A01**

Laboratory Techniques for Safe Encapsulation of alpha - Emitting Powder Samples.
DE84703140 **08**-*517,439* PC **A02**/MF **A01**

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DE85005320 **11**-*524,477* PC **A06**/MF **A01**

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DE85005360 **12**-*526,675* PC **A02**/MF **A01**

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DE85016389 **26**-*560,460* PC **A03**/MF **A01**

PLUTONIUM PRODUCTION REACTORS

Preliminary Design of a Low-Temperature Heavy Water Production Reactor: Nonelectric Option.
DE84002656 **02**-*504,826* PC **A04**/MF **A01**

Decommissioning Planning and the Assessment of Alternatives for the Hanford Production Reactors.
DE85015169 **24**-*556,409* PC **A02**/MF **A01**

PLUTONIUM RECYCLE

Differential Radiological Impact of Plutonium Recycle in the Fuel Cycle of LWR Type Reactors: Accidental Conditions.
DE84702461 **01**-*500,844* PC **A11**/MF **A01**

PLUTONIUM SULFATES

Dissolution of Plutonium Dioxide by Sulfuric Acid Digestion of Plutonium-Containing Waste and Processes for Separation of Plutonium from Sulfuric Acid Solutions.
DE85751874 **26**-*561,483* PC **A05**/MF **A01**

PLUTONIUM SULFIDES

Crystal Data for PuS/sub 2-X/ and alpha -Pu sub 2 S su 3.
DE85016211 **26**-*561,687* PC **A02**/MF **A01**

PLY ORIENTATION

Design Sensitivity Analysis of an Antisymmetric Angle-Ply Laminate.
N85-10126/5 **03**-*506,405* PC **A03**/MF **A0**

Design of Shear Deformable Antisymmetric Angle-Ply Lam nates to Maximize the Fundamental Frenquency and Frequency Separation.
N85-25892/9 **18**-*540,823* PC **A03**/MF **A0**

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PB85-100527 **01**-*500,101* PC **A04**/MF **A01**

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PB85-117430 **03**-*506,491* PC **E05**/MF **E05**

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PB85-183374 **14**-*531,771* PC **A03**/MF **A01**

Plywood Workboats for Small Scale Fisheries,
PB85-192060 **16**-*536,349* PC **A03**/MF **A01**

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DE85015489 **24**-*557,042* PC **A02**/MF **A01**

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DE84013039 **07**-*515,011* PC **A03**/MF **A01**

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DE85012131 **21**-*548,027* PC **A03**/MF **A01**

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DE85013185 **23**-*552,446* PC **A07**/MF **A01**

PNEUMATIC ACTUATORS

Six-Inch HYGE Vertical Impact Facility.
AD-A150 665/8 **11**-*524,783* PC **A04**/MF **A01**

Pneumatic Actuator Device.
PATENT-4 510 846 **23**-*553,591* Not available NTIS

PNEUMATIC BRAKES

Freight Train Brake System Safety Study.
PB85-189876 **16**-*536,324* PC **A08**/MF **A01**

PNEUMATIC CLAMPING DEVICE

Pneumatic Clamping Device.
PATENT-4 488 713 **10**-*522,363* Not available NTIS

PNEUMATIC CONTROLLERS

User's Guide to Calibration of Pneumatic Controllers in Heating, Ventilating, and Air Conditioning (HVAC) Systems,
AD-A150 804/3 **11**-*524,570* PC **A02**/MF **A01**

PNEUMATIC CONVEYORS

Pneumatic Conveying Activities,
BHRA-85/33 **15**-*534,264* PC**$30.00**

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PB85-155208 **09**-*519,720* PC **A07**/MF **A01**

Safety Aspects of Pneumatic Transport.
PB85-197242 **17**-*537,842* PC **A03**/MF **A01**

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User's Guide to Calibration of Pneumatic Controllers in Heating, Ventilating, and Air Conditioning (HVAC) Systems,
AD-A150 804/3 **11**-*524,570* PC **A02**/MF **A01**

Noise Reduction of the Exhaust from Pneumatic Tools.
N85-11799/2 **04**-*509,759* PC **A05**/MF **A01**

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PAT-APPL-6-672 056 **08**-*517,180* PC **A02**/MF **A01**

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DE85002986 **18**-*541,931* PC **A03**/MF **A01**

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DE85005620 **15**-*533,711* PC **A03**/MF **A01**

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DE85006867 **17**-*539,547* PC **A03**/MF **A01**

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DE85011516 **23**-*554,365* PC **A02**/MF **A01**

Coal-Fluid Properties with an Emphasis on Dense Phase. Final Report.
DE85012025 **25**-*559,874* PC **A09**/MF **A01**

Phenomenology of Vertical Gas Solid Transport.
DE85013453 **23**-*552,696* PC **A02**/MF **A01**

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DE85015120 **24**-*557,148* PC **A02**/MF **A01**

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DE85015498 **26**-*561,692* PC **A03**/MF **A01**

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DE85016428 **26**-*561,981* PC **A05**/MF **A01**

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PATENT-4 510 846 **23**-*553,591* Not available NTIS

PNEUMOCONIOSES

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PB85-224541 **22**-*549,954* PC **A02**/MF **A01**

PNP

Comparison of p-Nitrophenol Biodegradation in Field and Laboratory Test Systems.
PB85-165884 **15**-*533,343* Not available NTIS

PNPN TRANSISTORS

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AD-A148 775/0 **06**-*513,470* PC **A05**/MF **A01**

PO RIVER

Esempi di Servizi Per l'Ambiente: Misure Idrologiche E di Inquinamento Nel Fume Po (Examples of Environment Services: Hydrological and Pollution Measurements in the Po River (Italy)).
N85-20578/9 **14**-*531,530* PC **A02**/MF **A01**

PO RIVER BASIN

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PO VALLEY

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Total Internal Reflection Modulator/Deflector.
PAT-APPL-6-726 872 **22**-*551,334* PC **A02**/MF **A01**

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User's Guide to Potamology Data Processing System (PODAPS). Revision.
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PODZOLS

Element Concentrations in Acid Extracts from Fraser Island Soils, Carbon and Nitrogen Contents and Their Relation to Age and Podzol Development,
PB85-239804 **25**-*558,121* PC **E04**/MF **E04**

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PB85-193076 **17**-*537,501* Not available NTIS

POGO EFFECTS

STS-1 Pogo Analysis.
N85-20007/9 **14**-*532,876* PC **A06**/MF **A01**

POINCARE GROUPS

New Supersymmetric Extension of Poincare Algebra.
DE85701152 **20**-*545,565* PC **A02**/MF **A01**

POINCARE-LINDSTEDT METHOD

Accuracy of the Poincare-Lindstedt Method,
PB85-165272 **12**-*527,203* PC **E04**/MF **E01**

POINT DEFECTS

Point Defects, Line Defects and Interfaces in Semiconductors.
AD-A148 124/1 **04**-*510,173* PC **A02**/MF **A01**

Failure of Reflective Metal Coatings by Cracking.
AD-A153 187/0 **16**-*533,984* Not available NTIS

Effect of Ion-Bombardment-Induced Atomic Mixing on Depth-Profiling of Interfaces.
AD-A153 199/5 **15**-*534,738* PC **A02**/MF **A01**

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Time Dependent Rate Theory for Diffusional Defect Processes.
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PB85-202869 **16**-*535,894* Not available NTIS

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AD-A157 962/2 **24**-*556,549* PC **A02**/MF **A01**

POINT LEPREAU-1 REACTOR

Start-Up Support for New Brunswick Electric's Point Lepreau Nuclear Steam Generators.
DE85701495 **24**-*556,503* PC **A02**/MF **A01**

Innovative Ultrasonics for Power Plant Commissioning.
DE85701496 **24**-*556,504* PC **A03**/MF **A01**

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Nuclear Power as a Regional Energy Supply.
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PB85-173672 **13**-*528,568* PC **A02**/MF **A01**

Survey Management Handbook. Volume 1. Guidelines for Planning and Managing a Statistical Survey.
PB85-187672 **16**-*535,640* PC **A07**/MF **A01**

Survey Management Handbook. Volume 2. Overseeing the Technical Progress of a Survey Contract.
PB85-187680 **16**-*535,641* PC **A08**/MF **A01**

Gas Chromatographic/Fourier Transform Infrared Spectrometric Identification of Hazardous Waste Extract Components.
PB85-216881 **20**-*545,018* PC **A02**/MF **A01**

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PB85-236453 **24**-*555,436* PC **A03**/MF **A01**

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PB85-240422 **25**-*558,667* PC **A02**/MF **A01**

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PB85-241776 **25**-*558,718* PC **A06**/MF **A01**

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PB85-243335 **26**-*560,638* PC **A02**/MF **A01**

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PB85-249464 **23**-*553,496* PC **A04**/MF **A01**

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PB85-249472 **23**-*553,497* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Lansdowne Radiation Site, Lansdowne, Pennsylvania, August 1985.
PB85-249498 **23**-*554,011* PC **A02**/MF **A01**

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PB85-249548 **24**-*556,005* PC **A03**/MF **A01**

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PB85-249589 **23**-*553,503* PC **A02**/MF **A01**

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PB85-249605 **23**-*553,505* PC **A03**/MF **A01**

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PB85-249621 **23**-*553,507* PC **A04**/MF **A01**

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PB85-249639 **23**-*553,508* PC **A04**/MF **A01**

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PB85-249647 **23**-*553,509* PC **A03**/MF **A01**

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Construction and Testing of a Differential Optical Absorption Spectrometer (DOAS) System.
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POLLUTION EFFECTS (HUMANS)

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PB85-246148 **25**-*557,865* PC **E11**/MF **E01**

POLLUTION EPISODIC MODEL

Evaluation of the Pollution Episodic Model Using the RAPS Data.
PB85-122158 **04**-*509,685* PC **A04**/MF **A01**

Emission Inventory for Urban Particle Model Validation in the Philadelphia AQCR (Air Quality Control Region).
PB85-207611 **18**-*541,186* PC **A09**/MF **A01**

POLLUTION LAWS

Issues of Confidentiality and Disclosure in Environmental Auditing.
PB85-239259 **24**-*555,979* PC **A03**/MF **A01**

POLLUTION MONITORING

Quantitative Determination of Gaseous Air Pollutants by Semiconducting Sensors.
N84-34058/7 **01**-*501,076* PC **A05**/MF **A01**

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DE85004688 **11**-*524,627* PC **A06**/MF **A01**

Plan for Implementing EPA Standards for UMTRA Sites.
DE85014366 **24**-*556,394* PC **A03**/MF **A01**

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Geochemistry of Polycyclic Aromatic Hydrocarbons in Columbia River and Washington Coastal Sediments.
DE85007203 **13**-*529,029* PC **A11**/MF **A01**

Approach for Assessing Fisheries Impacts of Basin-Wide Hydropower Development.
DE85012886 **22**-*549,737* PC **A02**/MF **A01**

Inventory of Monthly Sulfur Dioxide Emissions for the Years 1975-1983.
DE85013933 **22**-*550,647* PC **A07**/MF **A01**

POLLUTION TRANSPORT

Space Shuttle Environmental Effects: The First 5 Flights.
N85-10457/8 **03**-*506,661* PC **A13**/MF **A01**

Penetration of the Atmosphere by Flammable Mixtures as a Result of Spillage of LNG on the Ground.
N85-17432/4 **11**-*525,676* PC **A03**/MF **A01**

Modeling of Turbulent Dispersion of Neutral and Buoyant Contaminants Released from Two Dimensional Sources.
N85-17438/1 **11**-*524,646* PC **A03**/MF **A01**

Sector Analysis of Relevant Meteorological Parameters for Long Range Transport of Air Pollutants.
N85-21882/4 **14**-*530,943* PC **A03**/MF **A01**

Over de Aanpassing van Het Nationale Verspreidingsmodel van Luchtverontreiniging voor Hoge Bronnen (Adjustment of the National Dispersion Model for Air Pollution from Elevated Sources).
N85-24540/5 **17**-*537,149* PC **A03**/MF **A01**

Limiting Profiles in Contaminant Transport through Porous Media.
N85-28282/0 **20**-*545,739* PC **A03**/MF **A01**

Preliminary Investigation of Dispersion of Pollutants in Model Building Wake Flows Using Bipolar Space Charge.
N85-31671/9 **23**-*553,625* PC **A04**/MF **A01**

POLOIDAL DIVERTORS

Versator Divertor Experiment: Preliminary Designs.
DE84017159 **03**-*506,928* PC **A03**/MF **A01**

Two-Chamber Model for Divertors with Plasma Recycling.
DE85002711 **07**-*515,335* PC **A02**/MF **A01**

POLOIDAL FIELD DIVERTORS

Impact of a Poloidal Divertor in Ignition Tokamak Design.
DE85012892 **22**-*550,993* PC **A02**/MF **A01**

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DE85001336 **05**-*512,495* PC **A03**/MF **A01**

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Lung-Clearance Classification of Radionuclides in Calcined Phosphate Rock Dust.
DE84016655 **02**-*503,433* PC **A02**/MF **A01**

Contribution to the Study of Polonium-210 and Lead-210 in Marine Organisms and Their Environment.
DE84751853 **10**-*522,718* PC **A14**/MF **A01**

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DE85000005 **07**-*515,422* PC **A04**/MF **A01**

POLONIUM 218

Continuous Monitoring Method of the Neutralization Phenomena of Polonium-218.
DE85005889 **11**-*525,198* PC **A03**/MF **A01**

POLY (ACETYLENE/PHENYL)

Mechanisms of Phenylacetylene Polymerization by Molybdenum and Titanium Initiators.
AD-A150 993/4 **11**-*523,945* PC **A02**/MF **A01**

POLY (ACRYLIC ACID/ (ETHYL-ESTER))

Miscibility of Poly(vinyl Chloride) with Ethyl Acrylate 4-Vinyl Pyridine Copolymers.
AD-A153 414/8 **16**-*536,153* Not available NTIS

POLY (ACRYLIC ACID/ (METHYL-ESTER))

Sorption and Transport of Gases in Miscible Poly(Methyl Acrylate)/Poly(Epichlorohydrin) Blends.
AD-A158 423/4 **25**-*558,471* Not available NTIS

POLY (ADP-RIBOSE)

Poly(ADP-Ribose) in Nucleoids (Polu(ADP-Ribose) in Nukleoiden),
PB85-117778 **03**-*505,624* PC **E03**/MF **E03**

POLY (BENZOBISOXAZOLE/PHENYLENE)

Theoretical Investigations on Some Rigid-Rod Polymers Used as High-Performance Materials.
AD-A150 577/5 **10**-*521,704* PC **A02**/MF **A01**

POLY (BENZOBISTHIAZOLE/PHENYLENE)

Theoretical Investigations on Some Rigid-Rod Polymers Used as High-Performance Materials.
AD-A150 577/5 **10**-*521,704* PC **A02**/MF **A01**

POLY (BORIC ACID/PYRAZOLYL)

Dimethylamino-tris(1-pyrazolyl)borate(1-) Ion, A New Hybrid Poly(1-pyrazolyl)borate Ligand.
AD-A156 984/7 **22**-*549,970* PC **A02**/MF **A01**

POLY (CARBAZOLE/N-VINYL)

New Sensitizers in the Photoconductivity of Poly-N-vinylcarbazole,
PB85-207553
18-*539,851*
(Order as PB85-207546, PC **E07**/MF **E01**)

POLY (DIBENZODIOXIN/CHLORO)

Technical Issues Concerned with PCDD (Polychlorodibenzo-p-dioxins) and PCDF (Polychlorodibenzofuran) Formation and Destruction in MSW (Municipal Solid Waste) Fired Incinerators.
PB85-131555 **04**-*509,712* PC **A03**/MF **A01**

POLY (DIBENZOFURAN/CHLORO)

Technical Issues Concerned with PCDD (Polychlorodibenzo-p-dioxins) and PCDF (Polychlorodibenzofuran) Formation and Destruction in MSW (Municipal Solid Waste) Fired Incinerators.
PB85-131555 **04**-*509,712* PC **A03**/MF **A01**

POLY (DIETHER KETANE)

Fractography of Mixed Mode I - II Failure in Graphite/Epoxy and Graphite/Thermoplastic Unidirectional Composites.
AD-A158 852/4 **25**-*558,391* PC **A03**/MF **A01**

POLY (DIETHERKETONE)

Crystallization of Polyetheretherketone (PEEK) in Carbon Fiber Composites.
AD-A156 316/2 **21**-*548,121* PC **A03**/MF **A01**

POLY (DIMETHANE/TETRACYANO-QUINO)

Protonation Equilibria and Charge Transport in Electroactive Tetracyanoquinodimethane Polymer Films.
AD-A146 106/0 **01**-*500,996* Not available NTIS

POLY (ETHER/AMINO)

Chemical Fundamentals of the Application of Aminopolyether 1.1.1. For Tritium Fixation for Final Storage Purposes.
DE85780849 **17**-*539,036* PC **A09**/MF **A01**

POLY (ETHER/METHYL-VINYL)

Configurational Diffusion in Semidilute Solutions.
DE85017121 **26**-*560,497* PC **A02**/MF **A01**

Phase Decomposition Phenomena of Polystyrene/Polyvinylmethylether.
PB85-230019 **23**-*552,546* Not available NTIS

POLY (ETHER/PHENYL)

Contact Angle and Surface Tension Measurements of a Five-Ring Polyphenyl Ether.
N85-15897/0 **10**-*522,159* PC **A02**/MF **A01**

POLY (ETHYLENE IMINE)

Poly(ethylene imine)-Sodium Iodide Complexes.
PB85-229433 **23**-*552,541* Not available NTIS

POLY (ETHYLENE OXIDE)

Water Absorption and Conductivity in Poly(Ethylene Oxide)-Lithium Tetrafluoroborate Films.
AD-A147 969/0 **04**-*508,745* PC **A03**/MF **A01**

POLY (ETHYLENE/TETRAFLUORA)

PTFE Lip Seal Investigation.
BHRA-85/16 **15**-*533,965* PC**$30.00**

POLY (ETHYLENE/TETRAFLUORO)

Adsorption of Organic Compounds from Water with Porous Poly(Tetrafluoroethylene).
PB85-124535 **04**-*508,864* Not available NTIS

Crystal Structure of Polytetrafluoroethylene Homo and Copolymers in the High Pressure Phase.
PB85-129195 **05**-*511,265* Not available NTIS

Molecular Packing in 15/7 Hexagonal Polytetraflouroethylene.
PB85-129393 **05**-*511,273* Not available NTIS

POLY (FERROCENE/VINYL)

Temperature Dependence of the Voltammetric Response of Thin Electroactive Polymer Films.
AD-A157 172/8 **23**-*552,474* PC **A02**/MF **A01**

POLY (IMIDE SULFONE)

Characterization of a Thermoplastic Polyimidesulfone.
N85-19135/1 **13**-*529,518* PC **A03**/MF **A01**

Process for Preparing Solvent Resistant, Thermoplastic Aromatic Poly(Imidesulfone).
PATENT-4 489 027 **13**-*529,520* Not available NTIS

POLY (ISOCYANIC ACID/ (BUTYL-ESTER))

Dynamic Motions of Rodlike Polymers in Semiconcentrated Solution: Poly(n-butyl isocyanate) in Carbon Tetrachloride.
AD-A146 382/7 **01**-*501,574* Not available NTIS

POLY (OXETANE/BIS (AZIDOMETHYL))

Crystallization Behavior of Poly(3,3-bis(Ethoxymethyl) Oxetane) and Poly(3,3-bis(Azidomethyl) Oxetane),
AD-A148 271/0 **05**-*512,389* PC **A03**/MF **A01**

POLY (OXETANE/BIS (ETHOXYMETHYL))

Crystallization Behavior of Poly(3,3-bis(Ethoxymethyl) Oxetane) and Poly(3,3-bis(Azidomethyl) Oxetane),
AD-A148 271/0 **05**-*512,389* PC **A03**/MF **A01**

POLY (OXY- (ETHYLENE/CHLOROMETHYL))

Sorption and Transport of Gases in Miscible Poly(Methyl Acrylate)/Poly(Epichlorohydrin) Blends.
AD-A158 423/4 **25**-*558,471* Not available NTIS

POLY (PHENOL/BUTYL-BENZYL)

Polybutylbenzylphenols and Benzyl-3,4-Methylenedioxbenzenes in Insect Population Control.
PATENT-4 482 728 **05**-*511,080* Not available NTIS

POLY (PYRIDINE/STYRYL)

Evaluation de la Resine Psp Comme Precurseur de Carbone (Evaluation of the PSP Resin as a Precursor of Carbon).
N85-26932/2 **19**-*543,191* PC **A03**/MF **A01**

POLY (PYRIDINE/VINYL)

Miscibility of Poly(vinyl Chloride) with Ethyl Acrylate 4-Vinyl Pyridine Copolymers.
AD-A153 414/8 **16**-*536,153* Not available NTIS

Proton-Transfer Reactions of Poly(2-vinylpyridine) in the First Singlet Excited State.
AD-A156 351/9 **21**-*547,751* PC **A02**/MF **A01**

POLY (QUINONE/HYDRO)

New Polymer Electrodes and Conductors Based on Poly(Hydroquinone/Quinone) Oxidation/Reduction Systems. Technical Progress Report.
DE85000958 **04**-*509,460* PC **A02**/MF **A01**

POLY (SILOXANE/DIMETHYL)

Properties of Ultra-Violet Cured Poly(diemthylsiloxane)-Urea Acrylates.
AD-A148 570/5 **05**-*511,731* PC **A03**/MF **A01**

Poly(dimethylsiloxane)-Polyurethane Elastomers: Synthesis and Properties of Segmented Copolymers and Related Zwitterionomers.
AD-A148 571/3 **05**-*511,738* PC **A03**/MF **A01**

Dipole Moments of Some Poly(Dimethylsiloxane) Linear Chains and Cyclics.
AD-A150 551/0 **10**-*521,700* PC **A02**/MF **A01**

Elastomeric Properties of Bimodal Networks Prepared by a Simultaneous Curing-Filling Technique.
AD-A158 491/1 **25**-*558,488* PC **A02**/MF **A01**

Impact Resistance of Unifilled and Filled Bimodal Thermosets of Poly(Dimethylsiloxane).
AD-A158 511/6 **25**-*558,472* PC **A02**/MF **A01**

The Effect of Various Catalysts in the In-Situ Precipitation of Reinforcing Silica in Polydimethylsiloxane Networks.
AD-A158 716/1 **25**-*558,489* PC **A02**/MF **A01**

POLY (SILOXANE/METHYL)

Structure-Property Relationships of Perfectly Alternating Polycarbonate-Polydimerhylsiloxane Block Copolymers. Part 2.
AD-A147 743/9 **04**-*508,731* Not available NTIS

POLY (SILOXANE/METHYLPHENYL)

Photon Correlation Spectra of Poly(Phenylmethyl Siloxane) under High Pressures.
AD-A146 496/5 **01**-*501,030* Not available NTIS

POLY (SILOXANES/DIMETHYL)

High Performance Size Exclusion Chromatography (IX) Bulk and Component Analysis of Silanol Groups in Polydimethylsiloxanes.
DE85006853 **12**-*527,153* PC **A02**/MF **A01**

POLY (SILPHENYLENE/METHYL-VINYL)

Formulation/Cure Technology for Ultrahigh Molecular Weight Silphenylene-Siloxane Polymers.
N85-26990/0 **19**-*543,249* PC **A02**/MF **A01**

POLY (SILYLENE/DIMETHYL)

Structure Calculations for Silane Polymers: Polysilane and Poly(dimethylsilylene),
AD-A158 529/8 **25**-*557,934* PC **A02**/MF **A01**

POLY (TEREPHTHALAMIDE/PHENYLENE)

Impurities in Kevlar 49 Fibers.
DE85004996 **11**-*524,512* PC **A02**/MF **A01**

POLY (TEREPHTHALOYL/OXY (METHYL-PHENYLENE)-OXYISOPHTHALOYL-OXY (METHYL-PHENYLENE)OXY)

Synthesis and Characterization of Poly(Oxy(2-Methyl-1,3-Phenylene)-Oxyisophthaloyl-b-(2-Methyl-1,3-Phenylene)Oxyterephthaloyl)Oxy,
AD-A148 269/4 **05**-*511,177* PC **A02**/MF **A01**

POLY (THIOPHENE/METHYL)

Poly-3-Methylthiophene Coated Electrodes. Optical and Electrical Properties as a Function of Redox Potential and Amplification of Electrical and Chemical Signals Using Poly-3-Methylthiophene-Based Microelectrochemical Transistors,
AD-A158 854/0 **25**-*558,379* PC **A03**/MF **A01**

POLYACETYLENE.

Fundamental Electrochemical Studies of Polyacetylene.
AD-A150 978/5 **11**-*523,973* PC **A02**/MF **A01**

Electrochemical Studies on Doping of Polyacetylene.
PB85-145605 **06**-*513,319* Not available NTIS

Infrared Photoluminescence in Polyacetylene.
PB85-196202 **17**-*537,715* Not available NTIS

POLYACETYLENES

Reduction Potentials: Key to Doping Phenomena in Polyacetylene (CH) sub x.
AD-A146 001/3 **01**-*500,984* PC **A02**/MF **A01**

Bond Alternation in the Infinite Polyene: Effect of Long Range Coulomb Interactions.
DE85014109 **22**-*550,007* PC **A02**/MF **A01**

Statics and Adiabatic Dynamics of Nonlinear Excitations in Defected Polyacetylene.
DE85014118 **24**-*555,308* PC **A02**/MF **A01**

Theoretical Studies of Electron and Proton Transfer Processes in Fluids. Progress Report, August 1984-August 1985.
DE85016899 **26**-*560,492* PC **A02**/MF **A01**

Soliton and Polaron Generation in Polyacetylene.
DE85700509 **16**-*535,860* PC **A02**/MF **A01**

Electrically Conductive Doped Block Copolymer of Polyacetylene and Polyisoprene.
PAT-APPL-6-625 323 **21**-*548,187* PC **A02**/MF **A01**

PAT-APPL-6-635 020 **19**-*543,244* PC **A02**/MF **A01**

POLYACRYLAMIDE

Industrial Hygiene Walk-Through Survey Report of Dow Chemical, Michigan Division, Midland, Michigan,
PB85-207843 **19**-*542,681* PC **A02**/MF **A01**

POLYACRYLAMIDES

Industrial Hygiene Walk-Through Survey Report of Dow Chemical, Michigan Division, Midland, Michigan,
PB85-207843 **19**-*542,681* PC **A02**/MF **A01**

POLYACRYLATES

Accelerated Aging of Aluminized Acrylic Solar Mirror Materials.
DE85002683 **07**-*514,911* PC **A02**/MF **A01**

Photodegradation Studies of Silver-Backed Polyacrylonitrile (PAN) Films.
DE85012154 **25**-*558,018* PC **A02**/MF **A01**

POLYACRYLONITRILE

Photodegradation Studies of Silver-Backed Polyacrylonitrile (PAN) Films.
DE85012154 **25**-*558,018* PC **A02**/MF **A01**

POLYACTIC ACID

Polyactic-Polyglycolic Acid Copolymer Combined with Decalcified Freeze-Dried Bone for Use as a Bone Repair Material.
PAT-APPL 6-658 945 **07**-*514,565* PC **A02**/MF **A01**

POLYAMIDE PLASTICS

Development of a Field Repair Technique for 'Mini-Sandwich' Kevlar/Epoxy Aircraft Skin.
AD-A151 369/6 **12**-*525,875* PC **A07**/MF **A01**

Statistical Treatment of Aramid/Epoxy Stress-Rupture Data.
AD-A157 238/7 **23**-*553,189* PC **A02**/MF **A01**

Condensation Polymers with Controlled Structure.
AD-A158 675/9 **25**-*558,474* PC **A02**/MF **A01**

POLYAMIDE RESINS

Fire and Heat Resistant Laminating Resins Based on Maleimido and Citraconimido Substituted 1-(Diorgano Oxyphosphonyl)Methyl-2,4- and 2,6-Diaminobenzenes.
PAT-APPL-6-641 147 **15**-*534,061* PC **A03**/MF **A01**

Process for Preparing Highly Optically Transparent-Colorless Armomatic Polyimide Film.
PAT-APPL-6-643 589 **15**-*533,989* PC **A02**/MF **A01**

Thermoset-Thermoplastic Aromatic Polyamide Containing n-Propargyl Groups.
PATENT-4 395 540 **13**-*529,519* Not available NTIS

Reaction Injection Molding: Polyamide and Polyurethane Resins. 1979-1982 (Citations from the Rubber and Plastics Research Association Data Base).
PB85-850311 **01**-*501,584* PC **N01**/MF **N01**

Reaction Injection Molding: Polyamide and Polyurethane Resins. 1983-November, 1984 (Citations from the Rubber and Plastics Research Association Data Base).
PB85-850329 **01**-*501,585* PC **N01**/MF **N01**

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Improved Polymers for Enhanced Oil Recovery Synthesis and Rheology. Sixth Annual Report, October 1982-September 1983.
DE85000105 **04**-*508,994* PC **A07**/MF **A01**

Evaluation of Methods of Reducing Permeability in Porous Rocks by in-Situ Polymer Treatments. Summary for 1984.
DE85003920 **10**-*523,146* PC **A02**/MF **A01**

POLYANILINE

Resistance of Polyaniline Films as a Function of Electrochemical Potential and the Fabrication of Polyaniline-Based Microelectronic Devices.
AD-A154 999/7 **18**-*540,807* PC **A03**/MF **A01**

POLYANTIMONIC ACID

Structure of Polyantimonic Acid-Polysulfone Membranes,
PB85-235406 **24**-*555,341* PC **E03**/MF **E03**

POLYAPHRONS

New Flow Visualization Technique for Water Tunnel Testing of Combustors.
AD-A158 015/8 **24**-*556,125* PC **A04**/MF **A01**

POLYATOMIC MOLECULES

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AD-A153 302/5 **15**-*534,336* PC **A05**/MF **A01**

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Ground-State Vibrational Energy Levels of Polyatomic Transient Molecules,
PB85-219848 **20**-*545,022* Not available NTIS

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POLYBUTADIENE

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Deuterium Isotope Effect on the Compatibility between Polystyrene and Polybutadiene.
AD-A148 551/5 **05**-*511,730* PC **A02**/MF **A01**

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AD-A157 384/9 **23**-*553,190* PC **A03**/MF **A01**

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PB85-207769 **19**-*542,674* PC **A02**/MF **A01**

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POLYCHLORINATED BIPHENYL

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POLYCHLORINATED BIPHENYLS

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PB85-148427 08-*516,341* Not available NTIS

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PB85-207207 21-*547,781* Not available NTIS

POLYCHLORINATED DIBENZOFURANS

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POLYCYCLIC AROMATIC AMINES

Integrated Analytical Approach to Detailed Chemical Characterization of Coal Liquefaction Process Materials.
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in Rate Enhancement of Nitrogen Ring Reduction, C
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DE85015133 25-*559,884* PC **A02**/MF

Approaches to Modeling the Fate and Effects of Toxicants in Pelagic Systems.
DE85017302 **25**-*557,693* PC **A03**

PAH Emissions from Coal-Fired Plants.
DE85750375 **12**-*527,269* PC **A04**/MF **A01**

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DE85780259 **15**-*533,342* PC **A03**/MF **A01**

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POLYCYCLIC COMPOUNDS

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POLYCYCLIC NITRO COMPOUNDS

Separation and Characterization of Nitrated Polycyclic Aromatic Hydrocarbons by High Resolution Gas Chromatography, Thermionic Ionization Detection, and Mass Spectrometry.
DE85015021 **25**-*557,962* PC **A09**/MF **A01**

Environmental Carcinogens in Human Target Tissues in Culture. Progress Report.
DE85017188 **26**-*560,425* PC **A02**/MF **A01**

POLYCYCLIC SULFUR HETEROCYCLES

Syntheses Using and Investigating Cyclopenta(B,B')Dithiophenes as Model Substances for Sulfur Compounds in Petroleum.
DE84770398 **04**-*508,708* PC **A09**/MF **A01**

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DE85007077 **12**-*526,636* PC **A04**/MF **A01**

POLYCYTHEMIA

Chemical-Induced Erythrocytosis in Wistar Rats: Assessment as a Model for Human Polycythemia.
AD-A156 938/3 **22**-*549,785* PC **A07**/MF **A01**

POLYDIACETYLENES

Nonlinear Optical Properties of Organic Polymer Materials,
PB85-206423 **19**-*544,052*
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POLYELECTROLYTES

Electrochemical Behavior of Cationic Complexes Incorporated in Clay Coatings on Graphite Electrodes.
AD-A155 409/6 **19**-*542,782* PC **A02**/MF **A01**

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PB85-207322 **20**-*545,004* Not available NTIS

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DE85701168 **20**-*544,977* PC **A02**/MF **A01**

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AD-A147 235/6 **03**-*506,459* Not available NTIS

POLYESTER PLASTICS

Effect of Crystallinity on Mechanical Properties of Miscible Polycarbonate-Copolyester Blends.
AD-A147 224/0 **03**-*506,458* Not available NTIS

Aliphatic Polyester Miscibility with Polyepichlorohydrin.
AD-A147 235/6 **03**-*506,459* Not available NTIS

Synthesis and Characterization of Unique Liquid Crystalline Block Copolyesters. A Proposal for a Polymer Research Center at the Atlanta University.
AD-A147 280/2 **03**-*506,461* PC **A05**/MF **A01**

Synthesis and Characterization of Poly(Oxy(2-Methyl-1,3-Phenylene)-Oxyisophthaloyl-b-(2-Methyl-1,3-Phenylene)Oxyterephthaloyl)Oxy.
AD-A148 269/4 **05**-*511,177* PC **A02**/MF **A01**

Synthesis of High Molecular Weight Polyester-Carbonates via Interfacial Phosgenation of Aromatic Dicarboxylic Acids and Bisphenols.
AD-A148 361/9 **05**-*511,729* Not available NTIS

Interactions between F-111 Fuselage Fuel Tank Sealants. Part 2. Variation in Performance Properties of Polysulfides after Contact with Polyester Degradation Products,
AD-A149 777/5 **09**-*519,343* PC **A03**/MF **A01**

Dynamic Modeling of Nylon and Polyester Double Braid Line.
AD-A154 794/2 **18**-*540,825* PC **A04**/MF **A01**

Fluorinated Polyesters.
PATENT-4 482 702 **14**-*531,903* Not available NTIS

POLYESTER POLYOLS

Polyester Polyols. 1970-September 1985 (Citations from the U.S. Patent Data Base).
PB85-867646 **22**-*550,500* PC **N01**/MF **N01**

POLYESTER RESINS

Polyesters: A Review of the Literature on Products of Combustion and Toxicity,
PB85-246080 **23**-*554,337* PC **A04**/MF **A01**

Fiber Reinforced Polyester Composites. 1972-October, 1984 (Citations from the Engineering Index Data Base).
PB85-851038 **02**-*504,057* PC **N01**/MF **N01**

Polyester Elastomers. 1977-1984 (Citations from the Rubber and Plastics Research Association Data Base).
PB85-852424 **03**-*506,488* PC **N01**/MF **N01**

Epoxy and Polyester Coatings. 1970-July 1985 (Citations from the U. S. Patent Data Base).
PB85-865160 **19**-*543,172* PC **N01**/MF **N01**

Polyester Polyols. 1970-September 1985 (Citations from the U.S. Patent Data Base).
PB85-867646 **22**-*550,500* PC **N01**/MF **N01**

Polyester and Epoxy Resins: Abrasion Resistance. 1977-October 1985 (Citations from the Rubber and Plastics Research Association Data Base).
PB85-869907 **24**-*555,802* PC **N01**/MF **N01**

POLYESTERS

Small Angle X-Ray Scattering Studies on Simultaneous Biaxially Stretched Poly(Ethylene Terephthalate) (PET) Films.
DE85012423 **22**-*550,495* PC **A02**/MF **A01**

Nuclear Ultrafilters.
DE85701864 **26**-*560,959* PC **A02**/MF **A01**

Glass Fiber Reinforced Plastic Tubes for the Transport of Hot Water at Temperatures Below 110 Degrees C. Final Report, Stage 4.
DE85750174 **10**-*522,164* PC **A05**/MF **A01**

Stabilized Unsaturated Polyesters.
PATENT-4 523 008 **22**-*549,974* Not available NTIS

POLYETHER POLYOLS

Polyether Polyols. 1970-August 1985 (Citations from the U.S. Patent Data Base).
PB85-867026 **21**-*548,199* PC **N01**/MF **N01**

POLYETHER RESINS

Optimisation de l'Injection des Thermoplastiques Thermostables Peek Renforces de Fibres Courtes de Carbone (Optimization of the Injection Process for Thermostatic Polyether-Ether-Ketone (Peek) Thermoplastics Reinforced with Short Carbon Fibers).
N85-13062/3 **07**-*515,013* PC **A02**/MF **A01**

Crystallinity Determination by Curvefit Procedure for a Semi-Crystalline Polymer.
N85-25520/6 **18**-*540,352* PC **A03**/MF **A01**

Mechanical Properties of Aligned Short Carbon Fiber Reinforced Pes and pi Laminates.
N85-31240/3 **23**-*553,141* PC **A06**/MF **A01**

Phenoxy Resins Containing Pendent Ethynyl Groups and Cured Resins Obtained Therefrom.
PATENT-4 510 296 **22**-*549,973* Not available NTIS

Polyether Polyols. 1970-August 1985 (Citations from the U.S. Patent Data Base).
PB85-867026 **21**-*548,199* PC **N01**/MF **N01**

POLYETHERS

Structure-Property Relationships in Thermoplastic Elastomers. I. Segmented Polyether-Polyurethanes.
AD-A148 043/3 **04**-*509,469* PC **A03**/MF **A01**

Crystallization of Polyetheretherketone (PEEK) in Carbon Fiber Composites.
AD-A156 316/2 **21**-*548,121* PC **A03**/MF **A01**

Ionic Hydrogen Bond. 2. Intramolecular and Partial Bonds. Protonation of Polyethers, Crown Ethers, and Diketones.
PB85-230431 **23**-*552,550* Not available NTIS

POLYETHYLENE

NMR Study of Polyethylene Crystallization Kinetics under High Pressure.
AD-A150 340/8 **10**-*521,686* PC **A02**/MF **A01**

Polyethylene Glycol as an Ice Control Coating.
AD-A150 466/1 **10**-*522,088* PC **A02**/MF **A01**

Uniaxial Orientation of Linear Low Density Polyethylene.
AD-A151 037/9 **11**-*524,510* PC **A02**/MF **A01**

Influence of Inert Particulate Material on the Properties of RDX/Polyethylene Wax Compositions,
AD-A151 989/1 **13**-*530,261* PC **A02**/MF **A01**

Plastic Deformation of Crystalline Polymers.
AD-A152 090/7 **13**-*529,515* PC **A03**/MF **A01**

Some Comments on the Mechanism of Orientation of Organic Solutes in Stretched Polyethylene.
AD-A153 008/8 **15**-*533,501* Not available NTIS

Laser Light Scattering Characterization of Polyethylene in 1,2,4-Trichlorobenzene.
AD-A153 033/6 **15**-*533,504* Not available NTIS

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AD-A156 654/6 **22**-*549,976* PC **A04**/MF **A01**

Acid-Base Behavior of Carboxylic Acid Groups Covalently Attached at the Surface of Polyethylene: The Usefulness of Contact Angle in Following the Ionization of Surface Functionality,
AD-A158 596/7 **25**-*557,937* PC **A04**/MF **A01**

Characterization and Optimization of Polyethylene Resins and Gas Pipe.
PB85-118511 **02**-*504,093* PC **A05**/MF **A01**

Test Procedure for Container Specification 49 CFR 178.24a Inside Polyethylene Bottle (2E).
PB85-120897 **04**-*509,731* PC **A03**/MF **A01**

Test Procedure for Container Specification 49 CFR 178.24 Molded or Thermoformed Polyethylene Containers Having Rated Capacity over One Gallon (2U).
PB85-120905 **04**-*509,732* PC **A03**/MF **A01**

Test Procedure for Container Specification 49 CFR 178.134 Cylindrical Steel Overpack, Straight Sided for Inside Plastic Container Nonreusable (37M).
PB85-120913 **04**-*509,733* PC **A02**/MF **A01**

Test Procedure for Container Specification 49 CFR 178.35a Molded or Thermoformed Polyethylene Packaging (2SL).
PB85-120921 **04**-*509,734* PC **A03**/MF **A01**

Measurement of Compliance in Arc-Shaped HDPE (High Density Polyethylene) Specimens,
PB85-123834 **04**-*509,462* PC **E03**/MF **E03**

Mechanical and Transport Properties of the Drawn Cross-Linked Low Density Polyethylene (CLPE).
PB85-129260 **05**-*511,269* Not available NTIS

Trans-Gauche Concentration in Crystalline Polyethylene Measured by the Intensity of Rocking Mode Vibrations of Deuterated Methylene Groups.
PB85-140739 **05**-*511,318* Not available NTIS

Distribution of Straight-Chain Lengths in Unannealed and Annealed Solution-Crystallized Polyethylene by Raman Spectroscopy.
PB85-145290 **06**-*513,309* Not available NTIS

Stochastic Defect Diffusion Model for Relaxation Effects in Crystalline Polyethylene.
PB85-145431 **06**-*513,313* Not available NTIS

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PB85-149771 **06**-*513,629* PC **A03**/MF **A01**

Rotary Fatigue Testing of Polyethylene Gas Piping.
PB85-171122 **09**-*519,422* PC **A04**/MF **A01**

Diffusion of Water in Cross-Linked Polyethylene Containing Microvoids,
PB85-185676 **16**-*535,978* PC **E04**/MF **E04**

Properties of Polyethylene Gas Piping Materials.
PB85-187045 **13**-*529,523* PC **A10**/MF **A01**

Inferences About Molecular Motion from Proton Decoupled 13C NMR Spectra of Solid Polymers.
PB85-187276 **15**-*533,620* Not available NTIS

Dispirations, Disclinations, Dislocations, and Chain Twist in Polyethylene Crystals.
PB85-202026 **18**-*540,372* Not available NTIS

Crystal Growth Kinetics and the Lateral Habits of Polyethylene Crystals.
PB85-202679 **18**-*540,377* Not available NTIS

Structure and Properties of Polyethylene Films Used in Heavy Lift Balloons.
PB85-204717 **17**-*538,307* PC **A06**/MF **A01**

SANS (Small Angle Neutron Scattering) Investigation into the Role of Melting and Recrystallization during Solid State Deformation of Polyethylene.
PB85-205995 **19**-*542,844* Not available NTIS

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PB85-219608 **18**-*540,885* PC **A04**/MF **A01**

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PB85-227619 **22**-*550,041* Not available NTIS

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PB85-227684 **22**-*550,043* Not available NTIS

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PB85-230829 **23**-*553,195* Not available NTIS

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PB85-868438 **23**-*553,118* PC **N01**/MF **N01**

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DE85004375 **12**-*528,137* PC **A02**/MF **A01**

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DE85010435 **18**-*541,972* PC **A02**/MF **A01**

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DE85014244 **22**-*550,801* PC **A05**/MF **A01**

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DE85016127 **26**-*560,475* PC **A02**/MF **A01**

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DE85780849 **17**-*539,036* PC **A09**/MF **A01**

POLYETHYLENE PLASTICS

Characterization of Poly(Ethylene Oxide) Drawn by Solid State Extrusion.
AD-A150 987/8 **11**-*524,509* PC **A02**/MF **A01**

Ion and Polymer Chain Motion in a Superionic Sodium-Poly(Ethylene Oxide) Complex.
AD-A152 290/3 **13**-*528,955* PC **A02**/MF **A01**

Miscibility Enhancement via Ion-Dipole Interactions. 1. Polystyrene Ionomer/Poly(alkylene oxide) Systems.
AD-A153 674/7 **16**-*536,154* Not available NTIS

TSDC (Thermally Stimulated Depolarization Current) Studies of PEO (Poly(Ethylene Oxide)) and PEO Complexed with KSCN.
AD-A157 488/8 **23**-*552,498* PC **A03**/MF **A01**

Evaluation of the Resistance of a Chlorinated Polyethylene Protective Garment Material to Permeation and Degradation by Liquid Chemicals.
PB85-242337 **26**-*560,393* PC **A04**/MF **A01**

POLYETHYLENE TEREPHTHALATE

Thermal and Mechanical Behavior of Polycarbonate-Poly(Ethylene Terephthalate) Blends.
AD-A151 309/2 **12**-*527,145* Not available NTIS

Small Angle X-Ray Scattering Studies on Simultaneous Biaxially Stretched Poly(Ethylene Terephthalate) (PET) Films.
DE85012423 **22**-*550,495* PC **A02**/MF **A01**

Inferences About Molecular Motion from Proton Decoupled 13C NMR Spectra of Solid Polymers.
PB85-187276 **15**-*533,620* Not available NTIS

POLYETHYLENES

Absorption of Heat by Tubes Placed in Running Water at the Bottom. Laboratory Tests.
DE84752068 **09**-*520,748* PC **A03**/MF **A01**

Design, Manufacture, Test, and Delivery of 230 KV Extruded, Radiation Cross-Linked Polyethylene Cable: Design of 7 Megavolt Toroidal Irradiator; Fabrication and Testing of Model Cables. Final Report.
DE85000770 **07**-*515,337* PC **A08**/MF **A01**

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DE85002343 **06**-*513,624* PC **A02**/MF **A01**

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DE85012568 **19**-*543,885* PC **A05**/MF **A01**

Correlations of Chemical, Microstructural and Mechanical Properties of Polyethylene Piping Materials.
DE85013077 **22**-*550,496* PC **A02**/MF **A01**

Temperature Dependence of Thermal Neutron Scattering Cross Sections for Hydrogen Bound in Moderators.
DE85780157 **12**-*527,736* PC **A07**/MF **A01**

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Spin Relaxation and Local Motion in a Dissolved Aromatic Polyformal.
AD-A146 186/2 **01**-*501,003* Not available NTIS

Synthesis of Energetic Materials.
AD-A154 887/4 **18**-*540,290* PC **A03**/MF **A01**

POLYGLUCOSE/BETA-1

Effects of Pre- and Post-Irradiation Glucan Treatment on Pluripotent Stem Cells, Granulocyte, Macrophage and Erythroid Progenitor Cells, and Hemopoietic Stromal Cells.
AD-A153 861/0 **16**-*535,760* Not available NTIS

POLYGLYCANS

Soluble Polyglycans Enhance Recovery from Cobalt-60 -- Induced Hemopoietic Injury.
AD-A153 865/1 **16**-*535,761* Not available NTIS

POLYGLYCOLIC ACID

Polyactic-Polyglycolic Acid Copolymer Combined with Decalcified Freeze-Dried Bone for Use as a Bone Repair Material.
PAT-APPL-6-658 945 **07**-*514,565* PC **A02**/MF **A01**

POLYGONS

Classical Free-Streamline Flow over a Polygonal Obstacle.
N85-10301/8 **03**-*507,306* PC **A02**/MF **A01**

POLYGRAPHS

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AD-A154 037/6 **17**-*538,744* PC **A03**/MF **A01**

POLYHEDRA

Chemical Applications of Topology and Group Theory. 17. An Information Theoretical Approach to Polyhedral Symmetry.
AD-A152 821/5 **15**-*533,484* PC **A02**/MF **A01**

POLYHEDRANES

Syntheses of Polyhedranes and Polyhedral Carboranes.
AD-A146 076/5 **01**-*500,945* PC **A02**/MF **A01**

POLYHYDRIC ALCOHOLS

Polyether Polyols. 1970-August 1985 (Citations from the U.S. Patent Data Base).
PB85-867026 **21**-*548,199* PC **N01**/MF **N01**

Polyester Polyols. 1970-September 1985 (Citations from the U.S. Patent Data Base).
PB85-867646 **22**-*550,500* PC **N01**/MF **N01**

POLYIMIDE RESINS

Laser-Formed Connections Using Polyimide.
AD-A147 988/0 **04**-*509,051* PC **A02**/MF **A01**

Long-Term Light Induced Changes in Dark Conductivity of Kapton.
AD-A148 791/7 **06**-*513,623* PC **A03**/MF **A01**

Effect of Substituted Phenylnadimides on Processing and Properties of PMR (Polymerization of Monomeric Reactants) Polyimide Composites.
AD-A150 529/6 **10**-*522,093* PC **A02**/MF **A01**

Effects of Water and Hydrogen on Materials Used in Integrated Circuit Packages.
AD-A151 893/5 **13**-*529,238* PC **A06**/MF **A01**

Encapsulation and Packaging of a Semiconductor Multielectrode Array for Cortical Implantation.
AD-A153 180/5 **15**-*533,210* PC **A08**/MF **A01**

Advanced Strain-Isolation-Pad Material with Bonded Fibrous Construction.
N84-33592/6 **01**-*501,527* PC **A04**/MF **A01**

Thermal Deformation Measurements of Heat-Resistant Structural Materials for Aircraft by Electro Optical Displacement Transducer.
N85-12092/1 **06**-*513,543* PC **A02**/MF **A01**

Essai 17.202: Caracterisation de Resine Polyimide (Polyimide Resin Characteristics, Test).
N85-13049/0 **07**-*514,979* PC **A03**/MF **A01**

Flame Resistant Fibrous Materials Development.
N85-15827/7 **10**-*522,114* PC **A02**/MF **A01**

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N85-30136/4 **22**-*550,372* PC **A03**/MF **A01**

Graphite/PMR Polyimide Composites with Improved Toughness.
N85-32148/7 **24**-*555,722* PC **A02**/MF **A01**

Chemical Approach for Controlling Nadimide Cure Temperature and Rate.
PATENT-4 495 339 **24**-*555,339* Not available NTIS

Phosphorus-Containing Imide Resins.
PATENT-4 496 701 **15**-*533,474* Not available NTIS

Chemical Approach for Controlling Nadimide Cure Temperature and Rate with Maleimide.
PATENT-4 497 939 **15**-*533,475* Not available NTIS

Chemical Approach for Controlling Nadimide Cure Temperature and Rate.
PATENT-4 497 940 **15**-*533,476* Not available NTIS

Chemical Approach for Controlling Nadimide Cure Temperature and Rate with Maleimide.
PATENT-4 497 948 **15**-*533,477* Not available NTIS

Chemical Control of Nadimide Cure Temperature and Rate.
PATENT-4 514 557 **22**-*550,025* Not available NTIS

Caracterisation de Resin Polyimide (Characterization of Polyimide Resin).
PB85-103661 **01**-*501,578* PC **E04**/MF **E04**

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PB85-156677
10-*522,168*
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Polyimide Adhesives. 1970-March 1985 (Citations from the U. S. Patent Data Base).
PB85-856219 **09**-*519,423* PC **N01**/MF **N01**

Aromatic Polyimides (Excluding Adhesives). 1970-August 1985 (Citations from the U.S. Patent Data Base).
PB85-867018 **21**-*548,198* PC **N01**/MF **N01**

POLYIMIDES

Mechanical Properties of Aligned Short Carbon Fiber Reinforced Pes and pi Laminates.
N85-13918/6 **08**-*516,854* PC **A06**/MF **A01**

Effect of Substituted Phenylnadimides on Processing and Properties of PMR Polyimide Composites.
N85-14929/2 **09**-*519,371* PC **A02**/MF **A01**

Evaluation of Colorless Polyimide Film for Thermal Control Coating Applications.
N85-15894/7 **10**-*522,091* PC **A02**/MF **A01**

Wear of Small Polyacetal and Polymide Gears in Vacuum.
N85-17374/8 **11**-*524,734* PC **A02**/MF **A01**

Tribological Properties of Graphite-Fiber-Reinforced, Partially Fluorinated Polyimide Composites.
N85-18153/5 **12**-*527,086* PC **A03**/MF **A01**

Characterization of a Thermoplastic Polyimidesulfone.
N85-19135/1 **13**-*529,518* PC **A03**/MF **A01**

Spectroscopic Analysis of Radiation-Generated Changes in Tensile Properties of a Polyetherimide Film.
N85-25435/7 **18**-*540,882* PC **A03**/MF **A01**

Ion Beam Sputter-Deposited Thin Film Coatings for Protection of Spacecraft Polymers in Low Earth Orbit.
N85-30137/2 **22**-*550,394* PC **A02**/MF **A01**

Mechanical Properties of Aligned Short Carbon Fiber Reinforced Pes and pi Laminates.
N85-31240/3 **23**-*553,141* PC **A06**/MF **A01**

Synthesis and Characterization of Copolyimides with Varying Flexibilizing Groups.
N85-31296/5 **23**-*553,126* PC **A03**/MF **A01**

STPI/LARC: A 200 Deg C Polyimide Adhesive.
N85-31297/3 **23**-*553,117* PC **A03**/MF **A01**

Graphite/PMR Polyimide Composites with Improved Toughness.
N85-32148/7 **24**-*555,722* PC **A02**/MF **A01**

Fire-Resistant Phosphorus Containing Compounds, Polyimides and Copolyimides.
PAT-APPL-6-641 143 **15**-*533,472* PC **A02**/MF **A01**

Fire Resistant Polymers Based on 1-(Diorgano Oxyphosphonyl)Methyl-2,4- and 2,6-Diamino Benzenes.
PAT-APPL-6-641 153 **15**-*534,062* PC **A02**/MF **A01**

Process for Preparing Essentially Colorless Polyimide Film Containing Phenoxy-Linked Diamines.
PAT-APPL-6-643 524 **13**-*529,446* PC **A02**/MF **A01**

Melt-Flow-Toughness Modified Polyimide.
PAT-APPL-6-649 328 **03**-*505,890* PC **A02**/MF **A01**

Oxidation Protection Coatings for Polymers.
PAT-APPL-6-649 330 **13**-*529,447* PC **A02**/MF **A01**

Process for Preparing Solvent Resistant, Thermoplastic Aromatic Poly(Imidesulfone).
PATENT-4 489 027 **13**-*529,520* Not available NTIS

Elastomer Toughened Polyimide Adhesives.
PATENT-4 497 935 **15**-*533,972* Not available NTIS

Fire-Resistant Phosphorus Containing Polyimides and Copolyimides.
PATENT-4 536 565 **26**-*560,960* Not available NTIS

POLYISOBUTYLENE

Non-Linear Behavior of Polyisobutylene Solutions as a Function of Concentration.
PB85-187474 **15**-*533,625* Not available NTIS

Superposition of Small Strains on Large Deformations as a Probe of Nonlinear Response in Polymers.
PB85-230001 **23**-*553,194* Not available NTIS

POLYISOPRENE

Electrically Conductive Doped Block Copolymer of Polyacetylene and Polyisoprene.
PAT-APPL-6-625 323 **21**-*548,187* PC **A02**/MF **A01**

POLYMER CHAINS

Small Angle Neutron Scattering (SANS) Measurements of Block Chains at National Bureau of Standards.
PB85-123321 **04**-*508,845* Not available NTIS

Expansion Factor of a Part of Polymer Chain in Good Solvent Measured by Small Angle Neutron Scattering.
PB85-140952 **06**-*513,265* Not available NTIS

Distribution of Straight-Chain Lengths in Unannealed and Annealed Solution-Crystallized Polyethylene by Raman Spectroscopy.
PB85-145290 **06**-*513,309* Not available NTIS

Regime III Crystallization in Melt-Crystallized Polymers: The Variable Cluster Model of Chain Folding.
PB85-205839 **19**-*542,836* Not available NTIS

Viscoelastic Relaxation of Cross-Linked Polymer Networks.
PB85-208056 **20**-*545,007* Not available NTIS

Monte Carlo Studies of Two Measures of Polymer Chain Size as a Function of Temperature.
PB85-208072 **20**-*545,008* Not available NTIS

Network Structure of Epoxies. 1. A Neutron Scattering Study.
PB85-229912 **23**-*552,544* Not available NTIS

Rod to Coil Transitions in Nematic Polymers.
PB85-232742 **23**-*552,568* PC **E04**/MF **E04**

POLYMER CHEMISTRY

New Polymers for Composites: A Summary of Research on Polystyrylpyridines.
N85-28106/1 **20**-*544,938* PC **A09**/MF **A01**

Chemical Approach for Controlling Nadimide Cure Temperature and Rate.
PATENT-4 495 339 **24**-*555,339* Not available NTIS

POLYMER CONCRETES

Development of Polymer Concrete for Dike Insulation at LNG (Liquid Natural Gas) Facilities.
PB85-149821 **06**-*514,281* PC **A04**/MF **A01**

Fracture Toughness of Polymer Concrete Materials Using Various Chevron-Notched Configurations.
PB85-229862 **23**-*553,518* Not available NTIS

Polymer Concrete Used in Redecking a Major Bridge.
PB85-249290 **26**-*561,158* PC **A04**/MF **A01**

POLYMER MATRIX COMPOSITES

Development of New and Improved Polymer Matrix Resin Systems, Phase 1.
N85-10104/6 **03**-*505,884* PC **A04**/MF **A01**

Tough Composite Materials.
N85-12941/9 **07**-*514,973* PC **A17**/MF **A01**

Investigation of the Relations Between Resin and Advanced Composite Mechanical Properties. Volume 2 Appendices.
N85-14880/7 **09**-*519,370* PC **A09**/MF **A01**

Unidirectional Fibers and Polyurethane Elastomer Matrix Based Composites Synthesis and Properties.
N85-15826/9 **10**-*522,099* PC **A10**/MF **A01**

Effect of Counterface Material Type and Its Topography on the Tribological Properties of Polyimide Composites.
N85-26993/4 **19**-*543,193* PC **A03**/MF **A01**

POLYMER PHYSICS

High Performance Mixed Bisimide Resins and Composites Based Thereon.
PAT-APPL-6-719 796 **24**-*555,727* PC **A02**/MF **A01**

POLYMERASES

Radiosensitivity of Nicotiana Protoplasts. Action on Cell; Cycle Effects of Low Dose and Fractionated Irradiations; Biological Repair.
DE84751855 **10**-*521,413* PC **A09**/MF **A01**

POLYMERIC BEADS

Research on Novel Solvent Extraction Systems for Industrial Water Reuse, Final Report, December 1980.
PB85-131852 **05**-*511,879* PC **A03**/MF **A01**

Research on Novel Solvent-Extraction Systems for Industrial Water Reuse, Final Report, April 1983.
PB85-131860 **05**-*511,880* PC **A03**/MF **A01**

POLYMERIC CHAINS

Dispirations, Disclinations, Dislocations, and Chain Twist in Polyethylene Crystals.
PB85-202026 **18**-*540,372* Not available NTIS

POLYMERIC FILMS

Factors Affecting the Durability of Ca-Complexed Methylmethacrylate Copolymer Films Containing CaO-SiO2-H2O Macromolecules.
AD-A147 244/8 **03**-*506,460* Not available NTIS

Electrochemistry of Polymer Films. Applications to Chemical Analysis and Energy Conversion.
AD-A147 737/1 **04**-*508,730* PC **A02**/MF **A01**

Water Absorption and Conductivity in Poly(Ethylene Oxide)-Lithium Tetrafluoroborate Films.
AD-A147 969/0 **04**-*508,745* PC **A03**/MF **A01**

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AD-A148 404/7 **05**-*511,207* PC **A02**/MF **A01**

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AD-A148 405/4 **05**-*511,208* PC **A02**/MF **A01**

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AD-A148 416/1 **05**-*511,210* PC **A02**/MF **A01**

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AD-A148 491/4 **05**-*511,214* PC **A02**/MF **A01**

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AD-A148 513/5 **05**-*511,216* PC **A03**/MF **A01**

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AD-A148 597/8 **06**-*513,215* PC **A02**/MF **A01**

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AD-A151 037/9 **11**-*524,510* PC **A02**/MF **A01**

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AD-A152 989/0 **15**-*533,497* PC **A02**/MF **A01**

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AD-A154 999/7 **18**-*540,807* PC **A03**/MF **A01**

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AD-A157 172/8 **23**-*552,474* PC **A02**/MF **A01**

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AD-A158 288/1 **24**-*555,296* PC **A02**/MF **A01**

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ERATL-85/08 **04**-*509,461* PC**$15.00**

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N85-19137/7 **13**-*529,463* PC **A03**/MF **A01**

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N85-20223/2 **14**-*531,639* PC **A02**/MF **A01**

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N85-21250/4 **14**-*531,900* PC **A03**/MF **A01**

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N85-25435/7 **18**-*540,882* PC **A03**/MF **A01**

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PAT-APPL-6-643 524 **13**-*529,446* PC **A02**/MF **A01**

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PB85-141398 **06**-*513,268* Not available NTIS

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PB85-148294
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PAT-APPL-6-617 871 **01**-*501,079* PC **A02**/MF **A01**

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PAT-APPL-6-625 323 **21**-*548,187* PC **A02**/MF **A01**

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PAT-APPL-6-662 657 **24**-*555,258* PC **A02**/MF **A01**

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AD-A157 660/2 **23**-*552,504* PC **A03**/MF **A01**

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AD-A158 361/6 **25**-*557,908* PC **A02**/MF **A01**

Improved Polyethylene Glycol (PEG) Reagent.
PAT-APPL-6-675 617 **20**-*544,742* PC **A02**/MF **A01**

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PB85-198174 **18**-*540,294* PC **E03**/MF **E01**

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Iodine-Initiated, Solid-State Copolymerization of Tetraoxane with 1,3-Dioxolane in the Presence of Methylal.
DE85701600 **25**-*558,478* PC **A07**/MF **A01**

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Bimolecular Dynamics by Computer Analysis.
DE85002417 **08**-*516,135* PC **A02**/MF **A01**

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DE85002436 **08**-*516,136* PC **A03**/MF **A01**

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DE85006115 **12**-*526,361* PC **A02**/MF **A01**

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PAT-APPL-6-585 333 **03**-*505,637* PC **A03**/MF **A01**

Dimeric Enkephalins.
PATENT-4 468 383 **02**-*503,425* Not available NTIS

POLYPHENYL ETHER

Contact Angle and Surface Tension Measurements of
Five-Ring Polyphenyl Ether.
N85-15897/0 **10**-*522,159* PC **A02**/MF **A0**

Formation of High Molecular Weight Products from Ben
zene During Boundary Lubrication.
N85-22644/7 **15**-*534,056* PC **A02**/MF **A0**

POLYPHENYLS

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Point.
DE84703246 **10**-*522,157* PC **A03**/MF **A0**

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Review of the Optical Data Analysis for Phthalocyanine
Conducting Polymer and Molecular Metal Systems,
PB85-206456 **19**-*542,846*
(Order as PB85-206324, PC **A13**/MF **A01**)

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Synthesis and Characterization of a 1,4 Polybutadiene/Iso
tactic Polypropylene Block Copolymer.
AD-A148 199/3 **05**-*511,727* PC **A02**/MF **A01**

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DE85000719 **08**-*516,572* PC **A05**/MF **A01**

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PAT-APPL-6-617 871 **01**-*501,079* PC **A02**/MF **A01**

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PAT-APPL-6-649 565 **03**-*507,242* PC **A02**/MF **A01**

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Polypropylene.
PB85-141398 **06**-*513,268* Not available NTIS

Polypropylene Sheet on 11 kV Wood Poles,
PB85-184885 **16**-*535,976* PC **E03**/MF **E03**

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PB85-861508 **16**-*536,157* PC **N01**/MF **N01**

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PB85-118214 **03**-*506,452* PC **E05**/MF **E05**

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PB85-865368 **19**-*543,248* PC **N01**/MF **N01**

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Potential Dependence of Electrical Conductivity and Chemical Charge Storage of Poly(pyrrole) Films on Electrodes.
AD-A148 513/5 **05**-*511,216* PC **A03**/MF **A01**

POLYPYRROLES

Chemical Derivatization of an Array of Three Gold Microelectrodes with Polypyrrole: Fabrication of a Molecule-Based Transistor.
AD-A146 221/7 **01**-*501,006* PC **A02**/MF **A01**

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PB85-148294 **09**-*518,935*
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DE85000958 **04**-*509,460* PC **A02**/MF **A01**

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Fracture Surface Analysis in Composite and Titanium Bonding: Part 1: Titanium Bonding.
N85-25434/0 **18**-*541,220* PC **A06**/MF **A01**

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PB85-156685 **10**-*522,169*
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PB85-216083 **20**-*544,814* PC **A02**/MF **A01**

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PB85-216091 **20**-*544,815* PC **A02**/MF **A01**

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PB85-216109 **20**-*544,816* PC **A02**/MF **A01**

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AD-A146 375/1 **01**-*500,632* PC **A02**/MF **A01**

Safety of Immunogenicity Testing of a Pilot Polysaccharide Vaccine Preparation to Pseudomonas aeruginosa.
AD-A148 605/9 **06**-*513,040* PC **A03**/MF **A01**

Safety and Immunogenicity Testing of a Pilot Polysaccharide Vaccine Preparation to Pseudomonas aeruginosa.
AD-A148 606/7 **06**-*513,041* PC **A02**/MF **A01**

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AD-A148 607/5 **06**-*513,042* PC **A04**/MF **A01**

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AD-A151 303/5 **12**-*526,353* PC **A02**/MF **A01**

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AD-A155 424/5 **19**-*542,727* PC **A03**/MF **A01**

Fungal Synthesis of Exopolysaccharides.
DE84017595 **03**-*505,619* PC **A02**/MF **A01**

Direct Bioconversion of Solar Energy into Organic Chemicals.
DE85750952 **20**-*544,924* PC **A03**/MF **A01**

Cultivation of Micro-Algae in Closed Tubular Reactor.
DE85752293 **25**-*558,348* PC **A03**/MF **A01**

POLYSILANE

Structure Calculations for Silane Polymers: Polysilane and Poly(dimethylsilylene).
AD-A158 529/8 **25**-*557,934* PC **A02**/MF **A01**

POLYSILANES

The Ethylmethylcyclosilanes.
AD-A147 823/9 **04**-*508,717* PC **A02**/MF **A01**

Organosilane Polymers: Formable Copolymers Containing Dimethylsilylene Units.
AD-A147 939/3 **04**-*508,720* PC **A02**/MF **A01**

Organosilane Polymers: Formable Copolymers that Contain Methyl(Beta-Phenethyl)silylene or Cyclohexyl(methyl)silylene Units.
AD-A147 945/0 **04**-*508,721* PC **A02**/MF **A01**

Polysilastyrene: Phenylmethylsilane-Dimethylsilane Copolymers as Precursors to Silicon Carbide.
AD-A150 689/8 **11**-*524,507* PC **A02**/MF **A01**

Novel Polymeric Organosilazane Precursor to Si3N4/SiC Ceramics.
AD-A150 748/2 **11**-*524,413* PC **A02**/MF **A01**

Photolysis of Polysilanes.
AD-A151 261/5 **12**-*527,054* PC **A02**/MF **A01**

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AD-A158 302/0 **25**-*557,876* PC **A02**/MF **A01**

Structure Calculations for Silane Polymers: Polysilane and Poly(dimethylsilylene).
AD-A158 529/8 **25**-*557,934* PC **A02**/MF **A01**

POLYSILOXANES

Linear Polysiloxanes from Dichlorosilane.
AD-A158 350/9 **25**-*557,884* PC **A02**/MF **A01**

POLYSTYRENE

Pulsed Laser Spectroscopic Study of the Photoisomerization of Azo Labels at Three Different Locations on a Polystyrene Chain.
AD-A147 164/8 **02**-*503,523* PC **A02**/MF **A01**

Deuterium Isotope Effect on the Compatibility between Polystyrene and Polybutadiene.
AD-A148 551/5 **05**-*511,730* PC **A02**/MF **A01**

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AD-A153 674/7 **16**-*536,154* Not available NTIS

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AD-A154 514/4 **18**-*540,297* PC **A02**/MF **A01**

Compatibilizing Effect of Random or Block Copolymer Added to Binary Mixture of Homopolymers.
AD-A157 384/9 **23**-*553,190* PC **A03**/MF **A01**

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DE85001594 **06**-*513,243* PC **A03**/MF **A01**

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DE85017121 **26**-*560,497* PC **A02**/MF **A01**

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N85-21187/8 **14**-*531,899* PC **A02**/MF **A01**

Preparation of Polystryene Latex Particles in a Rotating Reactor.
N85-28108/7 **20**-*545,550* PC **A02**/MF **A01**

Analysis of Ultracentrifugation Interference Patterns with Image Digitizer: Application to Molecular Weight Determination of SRM 1478 Polystyrene.
PB85-124238 **04**-*509,881* Not available NTIS

Expansion Factor of a Part of Polymer Chain in Good Solvent Measured by Small Angle Neutron Scattering.
PB85-140952 **06**-*513,265* Not available NTIS

Adsorption of Polystyrene on Thermally Oxidized Silicon.
PB85-144459 **06**-*513,303* Not available NTIS

Test Procedure for Container Specification 49 CFR 178.150 Polystyrene Cases (33A).
PB85-146199 **08**-*517,164* PC **A02**/MF **A01**

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PB85-179091
12-*526,719*
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Phase Decomposition Phenomena of Polystyrene/Polyvinylmethylether.
PB85-230019 **23**-*552,546* Not available NTIS

POLYSTYRENE-DVB

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DE85009223 **15**-*533,562* PC **A13**/MF **A01**

POLYSTYRENE RESINS

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PB85-222867 **21**-*547,658* PC **A02**/MF **A01**

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Interactions between F-111 Fuselage Fuel Tank Sealants. Part 2. Variation in Performance Properties of Polysulfides after Contact with Polyester Degradation Products.
AD-A149 777/5 **09**-*519,343* PC **A03**/MF **A01**

POLYSULFONE

Structure of Polyantimonic Acid-Polysulfone Membranes.
PB85-235406 **24**-*555,341* PC **E03**/MF **E03**

POLYSULFONE MEMBRANES

Novel Poly(Aryl Ether) Membranes for Desalination by Reverse Osmosis.
PB85-128700 **05**-*511,170* PC **A07**/MF **A01**

POLYSULFONES

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AD-A148 150/6 **04**-*508,762* Not available NTIS

Mechanical Properties of Aligned Short Carbon Fiber Reinforced Pes and pi Laminates.
N85-13918/6 **08**-*516,854* PC **A06**/MF **A01**

POLYTETRAFLUOROETHYLENE

Method for Surface Modification of Poly(Tetrafluoroethylene).
DE84017189 **03**-*506,464* PC **A02**/MF **A01**

Tetrafluoroethylene Resin Moldings with Adhesive Surfaces and Bonding Method for the Same.
DE84017190 **03**-*506,465* PC **A02**/MF **A01**

Diffusely Reflecting Paints Including Polytetrafluoroethylene and Method of Manufacture.
PATENT-4 518 722 **22**-*550,396* Not available NTIS

POLYUNSATURATED OILS

Polyunsaturated Fatty Acids from Fish Oils.
PAT-APPL-6-716 913 **15**-*533,352* PC **A02**/MF **A01**

POLYURETHANE FOAM

Pathophysiological Study of Poisoning Due to Thermal Degradation of Materials.
N85-20640/7 **14**-*531,420* PC **A03**/MF **A01**

Evaluation of Polyurethane Foam Cartridges for Measurement of Polynuclear Aromatic Hydrocarbons in Air.
PB85-245645 **26**-*561,300* PC **A03**/MF **A01**

POLYURETHANE FOAMS

Damage Caused to Polyurethane Foams by Aging, Simulated Sunlight Exposure, Heat and Fire.
AD-A152 040/2 **13**-*529,514* PC **A13**/MF **A01**

POLYURETHANE RESINS

Evaluation of Flammability of Footwear Upper Materials. Patent and Regular Shoe Upper Leather vs. Porvair and Clarino Poromerics.
AD-A146 950/1 **02**-*504,088* PC **A02**/MF **A01**

Structure-Property Relationships in Thermoplastic Elastomers. I. Segmented Polyether-Polyurethanes.
AD-A148 043/3 **04**-*509,469* PC **A03**/MF **A01**

Kinetics of Phase Separation in Segmented Polyurethanes.
AD-A148 217/3 **05**-*511,184* Not available NTIS

Poly(dimethylsiloxane)-Polyurethane Elastomers: Synthesis and Properties of Segmented Copolymers and Related Zwitterionomers.
AD-A148 571/3 **05**-*511,738* PC **A03**/MF **A01**

Determination of Solids Content of Charcoal-Impregnated Polyurethane Foams Using Density Measurements.
AD-A151 385/2 **12**-*527,147* PC **A02**/MF **A01**

Phase Separation in Polyurethanes - A Deuterium NMR Study.
AD-A151 515/4 **12**-*527,149* PC **A02**/MF **A01**

Evaluation of HDI (Hexamethylene Diisocyanate) in Polyurethane Spray Paint Aerosols.
AD-A151 606/1 **12**-*526,525* PC **A05**/MF **A01**

Damage Caused to Polyurethane Foams by Aging, Simulated Sunlight Exposure, Heat and Fire.
AD-A152 040/2 **13**-*529,514* PC **A13**/MF **A01**

Determination of Solids Content of Charcoal-Impregnated Polyurethane Foams Using Density Measurements.
AD-A152 213/5 **13**-*529,516* PC **A02**/MF **A01**

Structure-Property Relationships in Thermoplastic Elastomers. III. Segmented Polyacetal-Polyurethanes.
AD-A154 897/3 **18**-*540,891* PC **A02**/MF **A01**

Full-Scale Fire Tests of Polyurethane Foam Dome Structures.
AD-A157 107/4 **23**-*553,188* PC **A02**/MF **A01**

Development of Castor-Oil-Resistant Polyurethane Sonar Encapsulants.
AD-A157 576/0 **23**-*553,192* PC **A03**/MF **A01**

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AD-A157 687/5 **24**-*556,195* PC **A03**/MF **A01**

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N85-10935/3 **04**-*507,922* PC **A03**/MF **A01**

Unidirectional Fibers and Polyurethane Elastomer Matrix Based Composites Synthesis and Properties.
N85-15826/9 **10**-*522,099* PC **A10**/MF **A01**

Fluorinated Polyurethanes.
PATENT-4 477 643 **10**-*522,166* Not available NTIS

Thermal and Mechanical Properties of Polyurethane Foams and a Survey of Insulating Concretes at Cryogenic Temperatures.
PB85-100949 **01**-*501,577* PC **A08**/MF **A01**

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PB85-105955 **01**-*501,581* PC **E04**/MF **E01**

Kinetics of the Reaction between Polyester Acid and Carbodiimide in Dry Polyester Diols and in a Polyester Polyurethane.
PB85-110211 **02**-*503,613* Not available NTIS

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PB85-122315 **04**-*508,688* PC **E04**/MF **E04**

Plaques Polyurethannes pour Blindages Transparents (Polyurethane Plates for Transparent Blinding).
PB85-144525 **07**-*515,510* PC **E04**/MF **E04**

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PB85-171619 **13**-*528,679* PC **A04**/MF **A01**

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PB85-187367 **16**-*536,156* Not available NTIS

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PB85-850311 **01**-*501,584* PC **N01**/MF **N01**

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PB85-850329 **01**-*501,585* PC **N01**/MF **N01**

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PB85-851764 **03**-*505,823* PC **N01**/MF **N01**

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PB85-852226 **03**-*506,487* PC **N01**/MF **N01**

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PB85-854263 **06**-*513,634* PC **N01**/MF **N01**

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PB85-858819 **13**-*528,801* PC **N01**/MF **N01**

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PB85-858926 **13**-*529,524* PC **N01**/MF **N01**

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PB85-867885 **22**-*550,398* PC **N01**/MF **N01**

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PB85-869329 **24**-*555,800* PC **N01**/MF **N01**

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DE85008206 **25**-*558,477* PC **A02**/MF **A01**

Transportation System Impact Limiter Design Using Rigid Polyurethane Foam.
DE85015088 **25**-*559,080* PC **A03**/MF **A01**

Effect of Jointing Work Performed as an Energy-Saving Measure.
DE85750409 **20**-*545,860* PC **A03**/MF **A01**

Rigid Zeolite Containing Polyurethane Foams.
PAT-APPL-6-611 772 **21**-*548,186* PC **AC2**/MF **A01**

POLYVINYL ALCOHOL

Gel Drawn Fibers of Poly(Vinyl Alcohol).
AD-A149 062/2 **07**-*515,010* PC **A03**/MF **A01**

Immobilization of Enzymes with PVA (Poly(Vinyl Alcohol)) Thermal Stability of the Bound Enzyme.
PB85-154474
10-*521,397*
(Order as PB85-154441, PC **E14**/MF **E01**)

POLYVINYL CHLORIDE

Miscibility of Poly(vinyl Chloride) with Ethyl Acrylate 4-Vinyl Pyridine Copolymers.
AD-A153 414/8 **16**-*536,153* Not available NTIS

Organic Air Pollutants During Manufacturing and Handling of PVC Floor Tiles.
N85-31669/3 **23**-*553,418* PC **A05**/MF **A01**

General Extrapolation Model for an Important Chemical Dose-Rate Effect.
NUREG/CR-4008 **10**-*522,165* PC **A03**/MF **A01**

Summary Report on PVC (Polyvinyl Chloride) Contraction Joint-Forming Waterstops.
PB85-153419 **09**-*519,713* PC **A02**/MF **A01**

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PB85-167203 **12**-*526,532* PC **E05**/MF **E01**

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PB85-852604 **04**-*508,705* PC **N01**/MF **N01**

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Preliminary Study for an IR-Vidicon for the 8 to 14 Micron Range, Phase 1.
N85-14057/2 **08**-*516,699* PC **A03**/MF **A01**

Piezoelektrische Kunststoffe (Piezoelectric Plastics).
N85-24017/4 **17**-*538,299* PC **A04**/MF **A01**

Piezoelectric and Pyroelectric Polymers.
N85-27008/0 **19**-*542,813* PC **A03**/MF **A01**

POLYVINYLIDENES

Field Sums for Extended Dipoles in Ferroelectric Polymers.
AD-A158 287/3 **24**-*557,015* PC **A02**/MF **A01**

POLYVINYLS

Effect of Ultraviolet Radiation on Transparent Polymer Films as Determined Using in Situ FTIR-RA Spectroscopy. Volume II. Photophysics of Poly(Vinylidene Fluoride) Films.
DE84013040 **08**-*516,917* PC **A02**/MF **A01**

Synthesis of Oligomeric Models of Coal Derived Materials for Use with GPC Calibration. Quarterly Report, October-December 1984.
DE85009619 **20**-*547,053* PC **A02**/MF **A01**

Studies of the Bauer Piezoelectric Polymer Gauge (PVF Sub 2) under Impact Loading.
DE85014707 **24**-*556,134* PC **A02**/MF **A01**

POMERANCHUK PARTICLES

Mechanisms for Generating Froissaron.
DE84702623 **03**-*507,539* PC **A03**/MF **A01**

Duality and Froissart Saturation.
DE84702806 **08**-*517,870* PC **A02**/MF **A01**

Diffraction: What Do We Know; What Can We Learn.
DE85004870 **11**-*525,461* PC **A02**/MF **A01**

PONAGANSET RESERVOIR DAM

National Program for Inspection of Non-Federal Dams. Ponaganset Reservoir Dam (RI 01304) Pawtuxet River Basin, Glocester, Rhode Island. Phase I Inspection Report.
AD-A156 750/2 **22**-*550,596* MF **A01**

PONAPEUS HERBSTII

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PB85-152007 **10**-*521,787*
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PONDEROMOTIVE FORCES

Nonlocal Expression for the Ponderomotive Potential.
N85-15487/0 **09**-*520,621* PC **A02**/MF **A01**

Direct Electron and Ion Fluid Computation of High Electrostatic Fields in Dense Inhomogeneous Plasma with Subsequent Nonlinear Optical and Dynamical Laser Interaction.
N85-26388/7 **18**-*541,836* PC **A02**/MF **A01**

PONDERS CORNER SITE

Superfund Record of Decision (EPA Region 10): Ponders Corner Site, Washington (Initial Remedial Measure), June 1984.
PB85-214187 **17**-*538,571* PC **A03**/MF **A01**

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DE85001168 **05**-*512,293* PC **A04**/MF **A01**

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DE85005854 **11**-*525,136* PC **A03**/MF **A01**

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DE85901566 **23**-*554,483* PC **A06**/MF **A01**

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PB85-107506 **01**-*501,714* PC **E04**/MF **E01**

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PB85-134088 **05**-*511,644* PC **E08**/MF **E08**

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PB85-137156 **06**-*513,743* PC **A06**/MF **A01**

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PB85-226678 **22**-*550,716* PC **E04**/MF **E01**

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N85-33224/5 **26**-*561,668* PC **A02**/MF **A01**

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Numerical Simulation of Natural Convection in Porous Media.
N85-11330/6 **04**-*510,205* PC **A03**/MF **A01**

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N85-11790/1 **04**-*507,887* PC **A08**/MF **A01**

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AD-A157 982/0 **24**-*555,277* PC **A02**/MF **A01**

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Self-Sensitized Photo-Oxidation of Protoporphyrin IX and Related Porphyrins in Erythrocyte Ghosts and Microemulsions. A Novel Photo-Oxidation Pathway Involving Singlet Oxygen.
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AD-A157 621/4 **23**-*552,501* PC **A04**/MF **A01**

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AD-A157 720/4 **24**-*555,262* PC **A02**/MF **A01**

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PB85-205300 **19**-*542,825* Not available NTIS

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PB85-119089 **04**-*508,885* PC **A02**/MF **A01**

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PB85-152072 **10**-*521,794*
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AD-A155 753/7 **21**-*547,915* PC **A04**/MF **A01**

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AD-A156 186/9 **21**-*547,939* PC **A04**/MF **A01**

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PB85-160661 **13**-*529,051* PC **A05**/MF **A01**

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PATENT-4 489 239 **15**-*534,383* Not available NTIS

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PB85-165496 **10**-*522,513* PC **A04**/MF **A01**

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N85-31040/7 **23**-*553,802* PC **A09**/MF **A01**

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AD-A148 267/8 **05**-*512,169* PC **A02**/MF **A01**

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AD-A148 335/3 **05**-*511,365* PC **A03**/MF **A01**

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AD-A148 748/7 **06**-*513,987* PC **A02**/MF **A01**

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AD-A150 709/4 **11**-*524,067* PC **A08**/MF **A01**

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AD-A152 283/8 **13**-*529,956* PC **A05**/MF **A01**

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AD-P004 623/5 **17**-*537,999* PC **A03**/MF **A01**

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AD-P004 624/3 **17**-*538,000* PC **A02**/MF **A01**

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PATENT-4 491 971 **09**-*519,031* Not available NTIS

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N85-28337/2 **20**-*545,978* PC **A03**/MF **A01**

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PAT-APPL-6-638 586 **01**-*502,095* PC **A02**/MF **A01**

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PAT-APPL-6-684 194 **13**-*530,730* PC **A02**/MF **A01**

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PB85-215820 **21**-*548,809* PC **E04**/MF **E04**

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DE84012095 **01**-*502,145* PC **A02**/MF **A01**

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DE84702319 **03**-*506,973* PC **A02**/MF **A01**

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DE85700760 **22**-*549,886* PC **A02**/MF **A01**

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DE85751525 **20**-*546,151* PC **A02**/MF **A01**

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DE85781184 **24**-*556,312* PC **A02**/MF **A01**

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PB85-112043 **02**-*504,623* Not available NTIS

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PB85-124345 **04**-*510,018* Not available NTIS

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N85-30289/1 **22**-*551,868* PC **A02**/MF **A01**

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AD-A152 992/4 **15**-*533,081* PC **A05**/MF **A01**

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AD-A155 481/5 **19**-*543,017* PC **A05**/MF **A01**

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N84-34457/1 **02**-*505,236* PC **A02**/MF **A01**

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N85-11673/9 **04**-*509,791* PC **A04**/MF **A01**

Optical Disc Transport System.
PATENT-4 519 055 **23**-*553,716* Not available NTIS

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Crankcase Emissions with Disabled PCV (Positive Crankcase Ventilation) Systems.
PB85-217552 **21**-*547,786* PC **A04**/MF **A01**

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PB85-870236 **25**-*558,752* PC **N01**/MF **N01**

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PAT-APPL-6-675 276 **22**-*549,972* PC **A02**/MF **A01**

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Positron Annihilation - A non-Destructive Probe for Materials Science.
AD-A158 366/5 **25**-*558,778* PC **A03**/MF **A01**

Low-Temperature Positron Lifetime and Doppler-Broadening Measurements for Single-Crystal Nickel Oxide Containing Cation Vacancies.
DE85010238 **18**-*541,655* PC **A02**/MF **A01**

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N85-27977/6 **20**-*544,999* PC **A02**/MF **A01**

POSITRON ANNIHILATION SPECTROSCOPY

Characterization of Atomic Defects and Their Aggregates Using Positron Annihilation Spectroscopy.
DE85006206 **11**-*525,341* PC **A02**/MF **A01**

POSITRON-ATOM COLLISIONS

Coupled-Channels Optical Model for Positron Hydrogen Scattering.
DE85700314 **17**-*539,400* PC **A02**/MF **A01**

Improved Procedure for Calculating the Collision Stopping Power of Elements and Compounds for Electrons and Positrons.
PB85-136273 **06**-*514,179* Not available NTIS

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Positron Flux Concentrator - an Update.
DE84016280 **01**-*502,428* PC **A02**/MF **A01**

Low-Energy, High-Intensity Positron Beam Experiments with a Linac.
DE85001048 **09**-*520,263* PC **A02**/MF **A01**

Wide-Angle Optics with Strong Magnetic Fields for Efficient Generation of Secondary-Particle Beams.
DE85007727 **15**-*534,811* PC **A02**/MF **A01**

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DE85007934 **14**-*532,609* PC **A02**/MF **A01**

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DE85012006 **22**-*551,348* PC **A02**/MF **A01**

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DE84702945 **10**-*521,588* PC **A04**/MF **A01**

High Spatial Resolution Positron Emission Tomograph with a 2 pi Solid Angle Coverage.
DE85012557 **22**-*549,799* PC **A02**/MF **A01**

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DE85780524 **16**-*535,684* PC **A04**/MF **A01**

Physical Characterization and Preliminary Results of a PET System Using Time-of-Flight for Quantitative Studies.
DE85780698 **15**-*533,311* PC **A02**/MF **A01**

Electronic Readout System Used on the Mk II R.A.L. Positron Camera.
DE85781186 **25**-*558,996* PC **A04**/MF **A01**

Electronic Readout System Used on the MK II R.A.L. (Rutherford Appleton Laboratory) Positron Camera.
PB85-138790 **06**-*513,997* PC **E04**/MF **E04**

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Soviet Research on Crystal Channeling of Charged Particle Beams.
AD-A157 353/4 **23**-*554,161* PC **A04**/MF **A01**

Radiation of 10 GeV Positrons at Axial Channeling.
DE84702770 **09**-*520,709* PC **A02**/MF **A01**

Channelling Radiation and Applications to Defects in Solids.
DE85700510 **16**-*536,728* PC **A02**/MF **A01**

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DE85700635 **20**-*546,485* PC **A02**/MF **A01**

Above-Barrier Reflection by the Planar Channelling of Electrons and Positrons in Crystals.
DE85701750 **25**-*559,397* PC **A02**/MF **A01**

POSITRON COLLISIONS

Systematics Associated with Positronium Fractions as Measured with Variable-Energy Positron Beams.
DE85006551 **12**-*528,006* PC **A03**/MF **A01**

Positron Measurements in 2H-TaSe sub 2 Crystals.
DE85010507 **18**-*541,656* PC **A02**/MF **A01**

Improved Procedure for Calculating the Collision Stopping Power of Elements and Compounds for Electrons and Positrons.
PB85-136273 **06**-*514,179* Not available NTIS

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Evaluation of Errors Due to Compton Scattering in gamma-Ray Emission Imaging.
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Nuclear Medicine and Imaging Research. Instrumentation and Quantitative Methods of Evaluation. Progress Report, January 15, 1984-January 14, 1985.
DE84017426 **03**-*505,666* PC **A02**/MF **A01**

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DE84751756 **05**-*511,106* PC **A02**/MF **A01**

Principles of Time-of-Flight Tomography.
DE84751757 **10**-*521,464* PC **A02**/MF **A01**

Time-of-Flight Position Emission Tomography: New Technological Prospects.
DE84751758 **10**-*521,465* PC **A02**/MF **A01**

Universal Multiprocessor System for the Fast Acquisition and Processing of Positron Camera Data.
DE84780217 **01**-*500,788* PC **A07**/MF **A01**

Matrix-Based Image Reconstruction Methods for Tomography.
DE85003468 **09**-*518,642* PC **A02**

Gallium-68 Chemistry for Labeling Platelets, Proteins and Lipoproteins.
DE85007227 **13**-*528,716* PC **A03**/MF **A01**

Advanced Instrumentation for Positron Emission Tomography.
DE85011147 **19**-*542,551* PC **A02**/MF **A01**

High Spatial Resolution Positron Emission Tomograph with a 2 pi Solid Angle Coverage.
DE85012557 **22**-*549,799* PC **A02**/MF **A01**

Development of Small-Diameter Lead-Glass-Tube Matrices for gamma-Ray Conversion in Positron Emission Tomography.
DE85013817 **22**-*549,801* PC **A05**/MF **A01**

HISPET Project: State-of-the-ART.
DE85014540 **25**-*557,664* PC **A02**/MF **A01**

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DE85750644 **15**-*533,252* PC **A02**/MF **A01**

Image Reconstruction in PET Using Time of Flight Information.
DE85750680 **15**-*533,254* PC **A02**/MF **A01**

Physical Characteristics of a Position Computed Tomography System Using Time-of-Flight Technics.
DE85751046 **19**-*542,555* PC **A02**/MF **A01**

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DE85751993 **25**-*557,670* PC **A02**/MF **A01**

Cerebral Haemodynamic and Metabolic Changes in Carotid Artery Occlusion: A PET Study.
DE85752076 **26**-*560,311* PC **A02**/MF **A01**

High-Density Avalanche Chamber for Positron Emission Tomography.
DE85901027 **20**-*546,157* PC **A02**/MF **A01**

POSITRON-MOLECULE COLLISIONS

Improved Procedure for Calculating the Collision Stopping Power of Elements and Compounds for Electrons and Positrons.
PB85-136273 **06**-*514,179* Not available NTIS

POSITRON SOURCES

Small Cyclotrons and the Production of Positron Emitters: Present and Future.
DE85009767 **17**-*537,571* PC **A03**/MF **A01**

Energy Deposition and Its Effects on the E exp + Capture Section at Sector 20.
DE85010964 **17**-*539,376* PC **A02**/MF **A01**

New Atomic Mechanism for Positron Production in Heavy-Ion Collisions.
PB85-229284 **23**-*554,265* Not available NTIS

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Large-Angle Positronium Emission for Al(110).
DE85004700 **11**-*525,453* PC **A02**/MF **A01**

Experimental Method for Measuring Positronium Reflection from Surfaces.
DE85010949 **19**-*544,288* PC **A02**/MF **A01**

High Intensity Positron Beam and Angular Correlation Experiments at Livermore.
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DE85701429 **22**-*551,797* PC **A02**/MF **A01**

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Rapid Growth of Potassium Dihydrogen Phosphate Crystals.
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Rapid Repair of Wet Asphalt Pavements.
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Understanding Clay Recognition and Processing.
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PB85-172948 **13**-*529,404* PC **A06**/MF **A01**

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N85-28937/9 **21**-*547,216* PC **A02**/MF **A01**

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DE85750063 **09**-*519,026* PC **A04**/MF **A01**

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PB85-173490 **14**-*531,267* PC **A11**/MF **A01**

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DE85000007 **08**-*514,003* PC **A05**/MF **A01**

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N85-31230/4 **23**-*554,516* PC **A06**/MF **A01**

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Electric Field Gradients at Gd in Gadolinium and Rare Earth Trifluoride Single Crystals.
DE85701748 **25**-*559,812* PC **A02**/MF **A01**

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Free-Ion Spectra of Interest to Solid and Solution Spectroscopists.
DE85007769 **13**-*528,984* PC **A02**/MF **A01**

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Neutron Scattering Investigation of Magnetic Excitations at High Energy Transfers.
DE85004069 **11**-*525,615* PC **A02**/MF **A01**

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DE85005090 **11**-*523,670* PC **A09**/MF **A01**

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AD-A150 187/3 **10**-*521,449* PC **A02**/MF **A01**

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DE85004115 **09**-*519,943* PC **A03**/MF **A01**

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N85-14862/5 **09**-*520,212* PC **A05**/MF **A01**

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AD-A151 552/7 **12**-*526,209* PC **A03**/MF **A01**

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DE85015612 **26**-*560,095* PC **A03**/MF **A01**

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PB85-105393 **02**-*503,718* PC **E04**/MF **E01**

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AD-A146 537/6 **01**-*501,542* PC **A03**/MF **A01**

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AD-A147 886/6 **04**-*508,073* PC **A02**/MF **A01**

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DE85002539 **08**-*517,519* PC **A02**/MF **A01**

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N85-13958/2 **08**-*516,903* PC **A07**/MF **A01**

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PB85-137628 **06**-*513,380* PC **A02**/MF **A01**

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PB85-212058 **20**-*544,592* PC **A07**/MF **A01**

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PB85-227650 **22**-*550,483* Not available NTIS

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N85-18491/9 **12**-*526,703* PC **A03**/MF **A01**

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N85-19571/7 **13**-*528,452* PC **A02**/MF **A01**

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N85-21485/6 **14**-*530,936* PC **A04**/MF **A01**

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N85-21883/2 **14**-*530,944* PC **A04**/MF **A01**

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N85-25966/9 **18**-*539,801* PC **A02**/MF **A01**

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N85-27385/2 **19**-*543,104* PC **A02**/MF **A01**

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N85-28514/6 **20**-*544,613* PC **A06**/MF **A01**

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N85-30550/6 **22**-*549,439* PC **A02**/MF **A01**

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PB85-106664 **01**-*500,118* Not available NTIS

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PB85-174761 **14**-*530,949* PC **A02**/MF **A01**

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PB85-175131 **12**-*526,019* PC **A03**/MF **A01**

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PB85-179125 **14**-*530,954* PC **A03**/MF **A01**

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PB85-183804 **15**-*533,011* PC **A02**/MF **A01**

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PB85-187862 **16**-*535,398* PC **A04**/MF **A01**

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PB85-197317 **18**-*540,487* PC **A25**/MF **A01**

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PB85-198398 **17**-*537,814* Not available NTIS

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PB85-204303 **18**-*539,808* PC **A11**/MF **A01**

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PB85-210342 **19**-*542,285* PC **A03**/MF **A01**

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PB85-210375 **19**-*542,287* PC **A04**/MF **A01**

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PB85-227791 **22**-*549,448* PC **A02**/MF **A01**

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PB85-230253 **23**-*552,047* PC **A02**/MF **A01**

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PB85-234771 **23**-*552,050* PC **A02**/MF **A01**

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PB85-242147 **26**-*561,074* PC **A07**/MF **A01**

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PB85-243525 **24**-*554,699* PC **A02**/MF **A01**

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PB85-863579 **18**-*539,783* PC **N01**/MF **N01**

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PB85-214542 **20**-*545,012* PC **A03**/MF **A01**

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Experimental and Theoretical Investigations of Open Resonators.
N85-31414/4 **23**-*552,756* PC **A06**/MF **A01**

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DE85017014 **25**-*558,638* PC **A11**/MF **A01**

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PB85-863579 **18**-*539,783* PC **N01**/MF **N01**

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PB85-208171 **18**-*541,187* PC **A08**/MF **A01**

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Code ALICE/85/300.
DE85001800 **03**-*507,603* PC **A02**/MF **A01**

PRECO-D2: Program for Calculating Preequilibrium and Direct Reaction Double Differential Cross Sections.
DE85010323 **17**-*539,393* PC **A06**/MF **A01**

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DE85011549 **20**-*546,648* PC **A02**/MF **A01**

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DE85700556 **20**-*546,661* PC **A03**/MF **A01**

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DE85750479 **20**-*546,748* PC **A03**/MF **A01**

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PB85-193043 **17**-*537,758* Not available NTIS

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PB85-195881 **18**-*540,032*
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Phytoplankton Control and Water Quality Improvement through Manipulation of Animal Communities.
PB85-227189 **22**-*550,118* PC **A03**/MF **A01**

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PB85-107050 **02**-*503,634* PC **A05**/MF **A01**

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PB85-864775 **19**-*542,537* PC **N01**/MF **N01**

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ED-247 912 **08**-*515,879* Not available NTIS

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ED-248 843 **12**-*526,219* Not available NTIS

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Study on the Perturbation of Lunar and Planetary Orbiters.
N84-33429/1 **01**-*502,772* PC **A05**/MF **A01**

Are Droughts Predictable.
N84-34826/7 **02**-*502,937* PC **A02**/MF **A01**

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Statistical Interpretation of NWP Model Output: An Overview of Techniques Used and Results Achieved.
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Recent Examples of Mesoscale Numerical Forecasts of Severe Weather Events Along the East Coast.
N85-12523/5 **06**-*512,778* PC **A04**/MF **A01**

Computer Programs to Predict Induced Effects of Jets Exhausting into a Crossflow.
N85-13776/8 **08**-*515,724* PC **A08**/MF **A01**

Synthesized Airfoil Data Method for Prediction of Dynamic Stall and Unsteady Airloads.
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N85-18092/5 **12**-*527,085* PC **A02**/MF **A01**

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N85-22369/1 **15**-*533,830* PC **A06**/MF **A01**

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N85-25204/7 **18**-*541,328* PC **A03**/MF **A01**

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N85-24860/7 **17**-*538,328* PC **A02**/MF **A01**

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PB85-213163 **20**-*545,589* PC **E04**/MF **E01**

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AD-A150 306/9 **10**-*521,329* PC **A05**/MF **A01**

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DE84013043 **13**-*529,576* PC **A05**/MF **A01**

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PB85-223154 **21**-*548,673* PC **E02**/MF **A01**

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PB85-174621 **14**-*532,061* PC **A03**/MF **A01**

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PB85-206209 **18**-*540,107* PC **A02**/MF **A01**

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AD-A158 186/7 **24**-*555,026* PC **A04**/MF **A01**

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PB85-173797 **13**-*528,756* PC **A06**/MF **A01**

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N85-29066/6 **21**-*548,109* PC **A05**/MF **A01**

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N84-33596/7 **01**-*501,575* PC **A03**/MF **A01**

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N85-10104/6 **03**-*505,884* PC **A04**/MF **A01**

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PATENT-4 493 047 **14**-*531,692* Not available NTIS

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PATENT-4 511 219 **23**-*552,829* Not available NTIS

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PB85-144632 **07**-*514,592* PC **A04**/MF **A01**

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PB85-186203 **16**-*535,358* PC **A03**/MF **A01**

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PB85-204857 **18**-*539,734* PC **A03**/MF **A01**

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PB85-247443 **26**-*560,337* PC **A05**/MF **A01**

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PB85-188175 **17**-*537,391* PC **A03**/MF **A01**

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AD-A146 968/3 **02**-*504,519* PC **A09**/MF **A01**

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PB85-185585 **15**-*533,466* PC **A04**/MF **A01**

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N85-26989/2 **19**-*543,243* PC **A07**/MF **A01**

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AD-A153 767/9 **16**-*536,982* PC **A06**/MF **A01**

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N85-16590/0 **10**-*520,948* PC **A07**/MF **A01**

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N85-20605/0 **14**-*530,934* PC **A03**/MF **A01**

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PAT-APPL-6-657 438 **25**-*557,748* PC **A02**/MF **A01**

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N85-17668/3 **11**-*523,246* PC **A03**/MF **A01**

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N85-18950/4 **13**-*528,283* PC **A04**/MF **A01**

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N85-21116/7 **14**-*530,749* PC **A02**/MF **A01**

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N85-23804/6 **17**-*538,706* PC **A04**/MF **A01**

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N85-31013/4 **23**-*551,880* PC **A10**/MF **A01**

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N85-31022/5 **23**-*551,889* PC **A02**/MF **A01**

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AD-A156 775/9 **22**-*551,233* PC **A13**/MF **A01**

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DE85000271 **09**-*520,098* PC **A03**/MF **A01**

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DE85002623 **10**-*522,804* PC **A02**/MF **A01**

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DE85009500 **16**-*536,385* PC **A02**/MF **A01**

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AD-A148 074/8 **04**-*510,194* PC **A09**/MF **A01**

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AD-A149 799/9 **09**-*519,790* PC **A05**/MF **A01**

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PB85-238913 **24**-*556,102* PC **E04**/MF **E01**

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AD-A157 928/3 **24**-*555,819* PC **A03**/MF **A01**

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AD-A155 007/8 **18**-*541,622* PC **A03**/MF **A01**

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PB85-168391 **12**-*525,972* PC **A02**/MF **A01**

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PB85-118982 **04**-*509,525* PC **A11**/MF **A01**

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PB85-119071 **03**-*506,563* PC **A02**/MF **A01**

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PB85-119105 **04**-*509,527* PC **A05**/MF **A01**

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N85-11388/4 **04**-*508,064* PC **A09**/MF **A01**

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PB85-239812 **25**-*558,550* PC **E04**/MF **E04**

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AD-A155 537/4 **19**-*542,254* PC **A06**/MF **A01**

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PB85-169878 **09**-*519,830* PC **A07**/MF **A01**

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PB85-189033 **16**-*535,878* PC **A02**/MF **A01**

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PB85-161578 **11**-*524,052* PC **A03**/MF **A01**

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AD-A151 972/7 **13**-*529,442* PC **A06**/MF **A01**

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AD-A151 976/8 **13**-*529,732* PC **A08**/MF **A01**

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AD-A151 680/6 **13**-*529,870* PC **A03**/MF **A01**

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N85-15943/2 **10**-*522,003* PC **A02**/MF **A01**

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N85-25943/0 **18**-*541,253* PC **A08**/MF **A01**

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PAT-APPL-6-649 322 **19**-*542,988* PC **A02**/MF **A01**

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PAT-APPL-6-698 726 **15**-*534,267* PC **A02**/MF **A01**

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ED-255 195 **22**-*549,664* Not available NTIS

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AD-A156 606/6 **22**-*551,227* PC **A02**/MF **A01**

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AD-A147 368/5 **03**-*507,234* PC **A03**/MF **A01**

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AD-A149 022/6 **07**-*515,507* PC **A05**/MF **A01**

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PB85-200343 **18**-*541,346* PC **E04**/MF **E04**

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AD-A157 169/4 **23**-*552,192* PC **A04**/MF **A01**

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AD-A146 339/7 **01**-*500,174* PC **A04**/MF **A01**

Random-Medium Propagation Theory Applied to Communication and Radar System Analyses.
AD-A147 003/8 **02**-*505,119* PC **A02**/MF **A01**

Minimum Nonpropagation Criteria for Load, Assemble, and Pack (LAP) Facilities for the BLU-97/B Submunition.
AD-A152 131/9 **13**-*530,264* PC **A04**/MF **A01**

Theoretical Study of the Propagation of a Mass Detonation.
AD-A153 655/6 **16**-*536,701* PC **A03**/MF **A01**

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N85-12102/8 **06**-*513,548* PC **A05**/MF **A01**

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N85-11791/9 **04**-*510,537* PC **A10**/MF **A01**

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N85-31982/0 **23**-*553,780* PC **A08**/MF **A01**

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N85-25476/1 **18**-*541,332* PC **A02**/MF **A01**

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N85-28024/6 **20**-*547,028* PC **A03**/MF **A01**

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DE85701400 **22**-*551,596* PC **A02**/MF **A01**

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AD-A158 442/4 **25**-*559,852* PC **A06**/MF **A01**

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PB85-118644 **04**-*508,683* PC **A10**/MF **A01**

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PB85-227627 **22**-*550,042* Not available NTIS

PROPANE DIOL/DINITRATE

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PB85-141083 **06**-*513,102* PC **A10**/MF **A01**

PROPANE/METHYL

Thermodynamic Properties of Isobutane-Isopentane Mixtures from 240 to 600K and up to 20 MPa (with Supplemental Tables from -40 to + 600F and up to 1000 psia).
PB85-154581 **07**-*514,725* PC **A09**/MF **A01**

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PB85-205896 **19**-*542,840* Not available NTIS

PROPANE/NITRO

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AD-A150 886/0 **11**-*523,965* PC **A02**/MF **A01**

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Thermodynamic Properties of Isobutane-Isopentane Mixtures from 240 to 600K and up to 20 MPa (with Supplemental Tables from -40 to + 600F and up to 1000 psia).
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AD-A150 955/3 **11**-*524,508* PC **A02**/MF **A01**

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DE85700035 **09**-*518,925* PC **A02**/MF **A01**

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PROPELLANT BINDERS

Combustion Properties of Fuel-Rich Magnesium Propellants with HTPB as Binder.
N85-15924/2 **10**-*523,133* PC **A03**/MF **A01**

PROPELLANT COMBUSTION

Combustion Properties of Fuel-Rich Magnesium Propellants with HTPB as Binder.
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Etude de la Combustion d'Une Poudre Propulsive a Base de Nitramine Jusqu'a des Pressions de 1500 Mpa et Comparaison de Ses Performances Avec Celle de Poudres Propulsives Classiques (Study on the Combustion of Nitramine Propulsion Powder Up to 1500 Mpa and Comparison of the Performance with That of Classical Propulsion Powders).
N85-24025/7 **17**-*539,236* PC **A02**/MF **A01**

PROPELLANT EVAPORATION

Experimental Study of Spray Thruster.
N85-21578/8 **14**-*532,860* PC **A04**/MF **A01**

PROPELLANT GASES

Molecular Dynamics of Propellant Gases. Part 2,
AD-P004 546/8 **15**-*534,709* PC **A02**/MF **A01**

PROPELLANT GRAINS

Fiber Reinforcement of Gun Propellant.
AD-A152 296/0 **14**-*532,540* PC **A03**/MF **A01**

Fiber Reinforcement of Gun Propellants,
AD-P004 464/4 **12**-*527,884* PC **A02**/MF **A01**

Grain Geometry Effects on LOVA Propellant Burning Rate Characteristics,
AD-P004 558/3 **15**-*534,714* PC **A02**/MF **A01**

Curvilinear Solid Propellant Grain.
PAT-APPL-6-667 315 **08**-*517,711* PC **A02**/MF **A01**

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N85-21578/8 **14**-*532,860* PC **A04**/MF **A01**

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Advanced Onboard Storage Concepts for Natural Gas-Fueled Automotive Vehicles.
N84-34036/3 **01**-*502,711* PC **A07**/MF **A01**

PROPELLANT TANKS

Ion Thruster System (8-cm) Cyclic Endurance Test.
N85-12937/7 **07**-*515,603* PC **A07**/MF **A01**

Propellant Tank Resupply System.
PAT-APPL-6-640 636 **01**-*502,753* PC **A02**/MF **A01**

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N85-21260/3 **14**-*532,859* PC **A02**/MF **A01**

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AD-A149 665/2 **09**-*520,160* PC **A03**/MF **A01**

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Thermal-Mechanical Model of Deflagration-to-Detonation in Granular Energetic Materials,
AD-P004 346/3 **07**-*515,593* PC **A02**/MF **A01**

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AD-P004 444/6 **12**-*527,868* PC **A02**/MF **A01**

Identification and Safe Life Prediction of Hazardous Materials,
AD-P004 450/3 **12**-*527,872* PC **A02**/MF **A01**

Reduction of Safe Separation Distances between Hazardous Materials in Conveying Operations,
AD-P004 453/7 **12**-*527,87*[illegible] PC **A02**/MF **A01**

Stability and Compatibility Testing Using a Microcalorimetric Method,
AD-P004 455/2 **12**-*527,876* PC **A02**/MF **A01**

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AD-P004 456/0 **12**-*527,877* PC **A02**/MF **A01**

Treatment of Wastewaters Containing Propellants and Explosives,
AD-P004 458/6 **12**-*527,879* PC **A02**/MF **A01**

Improved Energy Efficiency in forced Air Dry Buildings,
AD-P004 460/2 **12**-*526,980* PC **A02**/MF **A01**

Munition Demilitarization Chemistry-Nitrocellulosic Propellants,
AD-P004 465/1 **13**-*530,267* PC **A02**/MF **A01**

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AD-P004 466/9 **13**-*530,268* PC **A02**/MF **A01**

Propellant Spill Hazard Response Interactive Computer System,
AD-P004 474/3 **13**-*530,696* PC **A02**/MF **A01**

Bubble-Cap Scrubber and Treatment System for Amine Fuel Vapors,
AD-P004 475/0 **13**-*530,697* PC **A02**/MF **A01**

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AD-P004 476/8 **13**-*529,630* PC **A02**/MF **A01**

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AD-P004 481/8 **13**-*529,806* PC **A02**/MF **A01**

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AD-P004 537/7 **15**-*534,704* PC **A02**/MF **A01**

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AD-P004 545/0 **15**-*534,708* PC **A02**/MF **A01**

Molecular Dynamics of Propellant Gases. Part 2,
AD-P004 546/8 **15**-*534,709* PC **A02**/MF **A01**

Improved Smoothing Method for Closed Burning Rate Data Reduction,
AD-P004 548/4 **15**-*534,711* PC **A02**/MF **A01**

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AD-P004 892/6 **23**-*553,607* PC **A02**/MF **A01**

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AD-P004 900/7 **23**-*554,106* PC **A02**/MF **A01**

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DE85000743 **09**-*520,163* PC **A02**/MF **A01**

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DE85001749 **05**-*512,381* PC **A02**/MF **A01**

Shock Propagation in the Exhaust Gas Handling System of the Proposed Large Altitude Rocket Cell: Methods and Preliminary Analysis.
DE85003055 **08**-*517,723* PC **A03**/MF **A01**

Model for Computing Late Detonations Initiated in Propellants by Impact (XDT Reactions).
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DE85013983 **23**-*554,115* PC **A02**/MF **A01**

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PAT-APPL-6-626 510 **05**-*512,382* PC **A02**/MF **A01**

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PB85-143196 **08**-*517,726* PC **E03**/MF **E01**

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PB85-208643 **18**-*542,034* PC **A04**/MF **A01**

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AD-A147 049/1 **02**-*504,423* PC **A04**/MF **A01**

Pressure Distribution on Propeller Blade Surface Using Numerical Lifting Surface Theory.
AD-A150 885/2 **11**-*524,749* PC **A04**/MF **A01**

Hydrodynamic Field Equations in Propeller Coordinates.
AD-A152 761/3 **15**-*534,275* PC **A04**/MF **A01**

Local Propeller Blade Flows in Uniform and Sheared Onset Flows Using LDV (Laser Doppler Velocimetry) Techniques.
AD-A153 445/2 **16**-*536,343* PC **A03**/MF **A01**

Differential Prediction Method for Three-Dimensional Laminar and Turbulent Boundary Layers of Rotating Propeller Blades.
AD-A156 993/8 **22**-*551,266* PC **A03**/MF **A01**

Hub Effects in Propeller Design and Analysis.
AD-A158 853/2 **25**-*558,747* PC **A09**/MF **A01**

Profile Design for Wings and Propellers.
N85-18953/8 **13**-*528,284* PC **A03**/MF **A01**

Noise Constraints Effecting Optimal Propeller Designs.
N85-19923/0 **14**-*530,741* PC **A02**/MF **A01**

Low-Speed Wind-Tunnel Tests of an Advanced Eight-Bladed Propeller.
N85-29928/7 **22**-*549,306* PC **A03**/MF **A01**

Large-Scale Advanced Propfan (LAP) Program.
N85-29964/2 **22**-*551,839* PC **A03**/MF **A01**

Effects of Propeller Rotation Direction on Airplane Interior Noise Levels.
N85-30767/6 **22**-*549,316* PC **A03**/MF **A01**

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Large-Scale Advanced Propfan (LAP) Program.
N85-29964/2 **22**-*551,839* PC **A03**/MF **A01**

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N85-29925/3 **22**-*549,290* PC **A02**/MF **A01**

PROPELLER HUBS

Hub Effects in Propeller Design and Analysis.
AD-A158 853/2 **25**-*558,747* PC **A09**/MF **A01**

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PROPELLER SLIPSTREAMS

Studies on the Interference of Wings and Propeller Slipstreams.
N85-25210/4 **18**-*539,654* PC **A06**/MF **A01**

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Numerical and Experimental Studies of 3-D and Unsteady turbulent Body/Appendage/Propeller Flows.
AD-A157 078/7 **23**-*554,183* PC **A04**/MF **A01**

Refined Methods of Aeroelastic Analysis and Optimization.
N84-33835/9 **01**-*500,017* PC **A02**/MF **A01**

Experimental Investigation of the Effect of Boundary Layer Refraction on the Noise from a High-Speed Propeller.
N84-34230/2 **01**-*500,019* PC **A03**/MF **A01**

Analysis of Noise Measured from a Propeller in a Wake.
N85-11788/5 **04**-*507,886* PC **A03**/MF **A01**

Evaluation of the Langley 4- by 7-Meter Tunnel for Propeller Noise Measurements.
N85-13553/1 **07**-*515,229* PC **A03**/MF **A01**

Contribution of the Study of Light Aircraft Propeller Noise.
N85-18667/4 **12**-*525,889* PC **A06**/MF **A01**

Propeller Propulsion System Integration: State of Technology Survey.
N85-21119/1 **14**-*530,775* PC **A09**/MF **A01**

Towards a Renewal of the Propeller in Aeronautics.
N85-21169/6 **14**-*530,777* PC **A03**/MF **A01**

Further Comparison of Wind Tunnel and Airplane Acoustic Data for Advanced Design High Speed Propeller Models.
N85-22108/3 **14**-*530,780* PC **A02**/MF **A01**

Method for the Prediction of the Installation Aerodynamics of a Propfan at Subsonic Speeds.
N85-22369/1 **15**-*533,830* PC **A06**/MF **A01**

Wind Tunnel Acoustic Study of a Propeller Installed Behind an Airplane Empennage: Data Report.
N85-23377/3 **15**-*534,728* PC **A12**/MF **A01**

Wind Tunnel Results of Advanced High Speed Propellers in the Takeoff, Climb and Landing Operating Regimes.
N85-29925/3 **22**-*549,290* PC **A02**/MF **A01**

Experimental Investigation of Propfan Installations on an Upswept Supercritical Wing at Transonic Mach Numbers.
N85-31013/4 **23**-*551,880* PC **A10**/MF **A01**

PROPELLING CHARGES

Closed Vessel Combustion of Stick Propellant.
AD-A147 802/3 **04**-*510,144* PC **A03**/MF **A01**

Competition between Tube Heating and Muzzle Velocity in Stick Propellant Gun Charges.
AD-A149 311/3 **08**-*517,718* PC **A03**/MF **A01**

Comparison of Paper Molding and Slurry Processes for Manufacture of 60-mm M204 and 81-mm M205 Propelling Charge Containers.
AD-A151 530/3 **12**-*527,863* PC **A02**/MF **A01**

Multizone Modular Artillery Propelling Charge Studies.
AD-A152 654/0 **14**-*532,544* PC **A06**/MF **A01**

PROPENE/DICHLORO

Toxicology and Carcinogenesis Studies of Telone 2: Technical-Grade 1,3-Dichloropropene (CAS No. 542-75-6) Containing 1.0% Epichlorohydrin as a Stabilizer) in F344/N Rats and B6C3F (sub 1) Mice (Gavage Studies).
PB85-230449 **25**-*557,856* PC **A08**/MF **A01**

PROPENE OXIDE

Rearrangement and Methyl Loss from Ionized Propene Oxide and Methyl Vinyl Ether.
AD-A146 020/3 **01**-*500,987* Not available NTIS

PROPENEL DICHLORO-CHLOROETHOXY

Metabolic Activation of 3-(2-Chloroethoxy)-1,2-Dichloropropene: A Mutagen Structurally Related to Diallate, Triallate, and Sulfallate.
PB85-249837 **26**-*560,388* Not available NTIS

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Aliphatic Polyester Miscibility with Polyepichlorohydrin.
AD-A147 235/6 **03**-*506,459* Not available NTIS

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AD-A151 265/6 **12**-*526,631* PC **A02**/MF **A01**

Preignition Oxidation Characteristics of Hydrocarbon Fuels.
AD-A158 442/4 **25**-*559,852* PC **A06**/MF **A01**

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PATENT-4 446 199 **02**-*504,042* Not available NTIS

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AD-A150 333/3 **10**-*521,909* PC **A13**/MF **A01**

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AD-A150 334/1 **10**-*521,910* PC **A07**/MF **A01**

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AD-A151 950/3 **13**-*528,834* PC **A03**/MF **A01**

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AD-P004 490/9 **13**-*528,835* PC **A02**/MF **A01**

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PAT-APPL-6-657 100 **05**-*511,946* PC **A02**/MF **A01**

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PATENT-4 517 618 **23**-*552,884* Not available NTIS

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PB85-180453 **14**-*532,234* PC **A10**/MF **A01**

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PAT-APPL-6-729 849 **22**-*550,474* PC **A02**/MF **A01**

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N85-20270/3 **14**-*532,575* PC **A02**/MF **A01**

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PB85-177152 **14**-*531,332* PC **A17**/MF **A01**

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PB85-185379 **16**-*535,910* PC **A05**/MF **A01**

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PB85-204931 **18**-*541,299* PC **E04**/MF **E04**

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PATENT-4 497 898 **11**-*523,808* Not available NTIS

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N85-11520/2 **04**-*508,642* PC **A02**/MF **A01**

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N84-34914/1 **02**-*503,460* PC **A04**/MF **A01**

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PB85-117778 **03**-*505,624* PC **E03**/MF **E03**

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AD-A146 618/4 **01**-*500,579* PC **A02**/MF **A01**

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AD-B083 404/4 **21**-*548,182* PC **A03**/MF **A01**

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DE84008593 **02**-*503,247* PC **A02**/MF **A01**

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DE85016499 **25**-*557,610* PC **A04**/MF **A01**

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DE85780116 **11**-*523,723* PC **A07**/MF **A01**

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PAT-APPL-6-654 213 **03**-*505,620* PC **A02**/MF **A01**

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PATENT-4 495 279 **11**-*523,666* Not available NTIS

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PATENT-4 508 820 **18**-*540,011* Not available NTIS

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AD-A146 141/7 **01**-*500,628* PC **A03**/MF **A01**

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AD-A154 562/3 **18**-*540,178* PC **A02**/MF **A01**

PROTOCL (COMPUTERS)

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N85-12293/5 **06**-*513,978* PC **A07**/MF **A01**

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N85-15528/1 **09**-*519,123* PC **A02**/MF **A01**

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N85-33284/9 **26**-*561,324* PC **A08**/MF **A01**

Petcom: Uno Strumento Software per l'Analysi di Reti di Petri Orientate Ai Protocolli di Comunicazione (Petcom: A Software Instrument for the Analysis of Petri Networks, Oriented Towards Communication Protocols).
N85-33286/4 **26**-*560,691* PC **A05**/MF **A01**

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PATENT-4 493 021 **15**-*534,494* Not available NTIS

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PB85-135473 **05**-*511,517* Not available NTIS

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PB85-135481 **05**-*511,518* Not available NTIS

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DE85000153 **06**-*513,432* PC **A04**/MF **A01**

LINCS (Livermore Interactive Network Communications Structure).
DE85006151 **11**-*524,259* PC **A02**/MF **A01**

Some Experiences of Testing Protocol Implementations,
PB85-138345 **07**-*514,832* PC **E04**/MF **E04**

Transport Protocols for Department of Defense Data Networks.
PB85-176147 **14**-*532,390* PC **A05**/MF **A01**

Performance Measurement of OSI (Open System Interconnection) Class 4 Transport Implementations,
PB85-177857 **12**-*526,942* PC **A04**/MF **A01**

New Approach to the Design and Construction of Protocol Testers,
PB85-230910 **23**-*552,833* PC **E04**/MF **E04**

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PB85-231058 **23**-*553,783* PC **E11**/MF **E11**

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PB85-852374 **03**-*506,901* PC **N01**/MF **N01**

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PB85-856052 **09**-*519,871* PC **N01**/MF **N01**

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PB85-871333 **25**-*558,889* PC **N01**/MF **N01**

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PB85-872034 **26**-*560,714* PC **N01**/MF **N01**

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PB85-872174 **26**-*561,349* PC **N01**/MF **N01**

PROTON ACCELERATION

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DE85701309 **25**-*557,299* PC **A02**/MF **A01**

PROTON ACCELERATORS

Radio Frequency Quadrupole and Alternating Phase Focusing Methods Used in Proton Linear Accelerator Technology in the USSR.
AD-A150 830/8 **11**-*525,386* PC **A05**/MF **A01**

Major Facility Overhauls at LAMPF.
DE85012724 **21**-*549,095* PC **A02**/MF **A01**

PROTON AFFINITIES

Evaluated Gas Phase Basicities and Proton Affinities of Molecules; Heats of Formation of Protonated Molecules,
PB85-137883 **05**-*511,300* Not available NTIS

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Ab Initio Calculation of Spectroscopic Properties of SiO and HOSi+ .
PB85-205870 **19**-*542,838* Not available NTIS

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PB85-226033 **22**-*550,033* Not available NTIS

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PB85-230415 **23**-*552,548* Not available NTIS

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PB85-230423 **23**-*552,549* Not available NTIS

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PB85-230431 **23**-*552,550* Not available NTIS

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DE83704488 **02**-*504,942* PC **A02**/MF **A01**

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DE84008804 **02**-*504,955* PC **A04**/MF **A01**

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DE84009981 **09**-*520,310* PC **A02**/MF **A01**

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DE84016480 **02**-*504,968* PC **A02**/MF **A01**

Very High Energy Probes of the Quark-Gluon Plasma.
DE84016992 **02**-*504,984* PC **A02**/MF **A01**

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DE84017257 **06**-*514,128* PC **A02**/MF **A01**

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DE84017260 **06**-*514,130* PC **A02**/MF **A01**

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DE84702225 **02**-*505,005* PC **A02**/MF **A01**

Spin Mechanism of Total-Cross-Section Growth and Polarization Phenomena in Meson-Cloud Model.
DE84702241 **03**-*507,462* PC **A02**/MF **A01**

Color Scalar Production with Large Transverse Momenta.
DE84702245 **03**-*507,466* PC **A02**/MF **A01**

Role Helicity Asymmetries Could Play in the Search for Supersymmetric Interactions.
DE84702263 **02**-*505,008* PC **A02**/MF **A01**

Study of a Jet-Like Structure in K exp - p and Anti Pp Interactions at 32 GeV/C.
DE84702269 **03**-*507,483* PC **A02**/MF **A01**

Common Self-Similar Analysis of Longitudinal and Transverse Semi-Inclusive Distributions in Anti Pp Collisions at Sqrt S= 540 GeV.
DE84702433 **01**-*502,486* PC **A02**/MF **A01**

Analysis of Antinucleon-Nucleon Annihilations at Rest into Pions.
DE84702546 **01**-*502,511* PC **A03**/MF **A01**

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DE84703347 **09**-*520,360* PC **A02**/MF **A01**

Study on Spin Alignment of rho sup 0 (770) Meson in K exp - p and Anti pp Interactions at 32 GeV/C.
DE84703360 **09**-*520,373* PC **A02**/MF **A01**

Measurement of Cross Sections for Neutral Strange Particle Production in Anti Pp-Interactions at 32 GeV/C and Comparison with the Pp-Interaction Data.
DE84703363 **09**-*520,376* PC **A02**/MF **A01**

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DE84751400 **04**-*510,271* PC **A02**/MF **A01**

Prompt Photon Production at Large PsubT in QCD Beyond the Leading Order.
DE84752004 **08**-*517,958* PC **A02**/MF **A01**

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DE84752299 **09**-*520,447* PC **A02**/MF **A01**

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DE84752341 **12**-*527,983* PC **A06**/MF **A01**

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DE85000091 **06**-*514,141* PC **A02**/MF **A01**

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DE85002542 **08**-*517,982* PC **A02**/MF **A01**

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DE85004534 **11**-*525,448* PC **A02**/MF **A01**

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DE85005004 **10**-*523,011* PC **A02**

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DE85005015 **11**-*525,030* PC **A02**/MF **A01**

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DE85005510 **11**-*525,479* PC **A02**/MF **A01**

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DE85006316 **13**-*530,396* PC **A03**/MF **A01**

Theory Problems at Small X.
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Measuring Structure Functions at SSC Energies.
DE85007515 **13**-*530,435* PC **A02**/MF **A01**

Implications for Supersymmetry of the CERN Monojets.
DE85008178 **13**-*530,463* PC **A02**/MF **A01**

Search for Narrow Structure in Proton-Antiproton Annihilation Cross Sections from 1900 to 1960 MeV.
DE85013302 **24**-*556,796* PC **A02**/MF **A01**

Multiplicities in High Energy Interactions.
DE85013847 **24**-*556,801* PC **A04**/MF **A01**

Strange Particle Production in Anti PP Annihilation Processes.
DE85014326 **24**-*556,824* PC **A02**/MF **A01**

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P Anti p Collider Physics: Summary Talk.
DE85014782 **24**-*556,841* PC **A02**/MF **A01**

Unitarity Lower Bounds on Logarithmic Slope of Diffraction Peak.
DE85700166 **09**-*520,550* PC **A03**/MF **A01**

Semi-Hard Physics at the SPS p Anti p Collider.
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Recent Developments in High Psub(T) Physics.
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DE85700308 **15**-*534,870* PC **A14**/MF **A01**

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KNO-Scaling Violation at Very High Energies.
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Comparison of C-Jet Events with Accelerator Results.
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Total Hadron Interaction Cross Section Growth.
DE85701793 **25**-*559,591* PC **A02**/MF **A01**

Supersymmetric Particles at the CERN Panti p Collider.
DE85750086 **12**-*528,038* PC **A02**/MF **A01**

Polarization as a Tool for Studying the Physics of Weak Interactions.
DE85750538 **15**-*534,919* PC **A02**/MF **A01**

Short and Long Range Correlation of Hadrons in p Anti p Collisions at 540 GeV.
DE85750709 **15**-*534,947* PC **A02**/MF **A01**

Results from the UA5 Experiment at the CERN p Anti p-Collider.
DE85750710 **15**-*534,948* PC **A02**/MF **A01**

Production of Intermediate Vector Bosons W and Z in Proton and Anti-Proton Interactions at 540 GeV in the Center of Mass.
DE85750929 **15**-*534,966* PC **A10**/MF **A01**

Theoretical Implications of Recent Collider Results.
DE85750992 **19**-*544,160* PC **A02**/MF **A01**

Possible Signatures for Heavy Leptons at the p Anti p Collider.
DE85751061 **19**-*544,187* PC **A03**/MF **A01**

Production and Study of Jets in UA2 Experiment.
DE85751066 **19**-*544,191* PC **A10**/MF **A01**

High Psub(T) Prompt Photons in Pp and p Anti p Collisions as a Test of Perturbative QCD.
DE85751165 **25**-*559,609* PC **A02**/MF **A01**

Consequences of Models for Monojet Events from Z Boson Decay.
DE85752017 **25**-*559,630* PC **A02**/MF **A01**

Elastic Slopes and Diffraction.
DE85752042 **26**-*561,865* PC **A02**/MF **A01**

Study of Particle Production at 90 Degrees in Proton-Antiproton Interactions at the CERN SPS Collider.
DE85752064 **26**-*561,866* PC **A07**/MF **A01**

Measurement of pi sup 0 Inclusive Production Cross Sections in Proton-Antiproton Interactions at Sqrt S= 540 GeV at CERN.
DE85752066 **26**-*561,868* PC **A07**/MF **A01**

Light Gluino Scenario.
DE85752132 **26**-*561,878* PC **A03**/MF **A01**

Measurement of Antiproton-Proton Cross Sections at Low Momenta.
DE85780652 **15**-*534,991* PC **A05**/MF **A01**

Study of the Anti-p-Nucleus Interaction.
DE85780699 **15**-*535,004* PC **A02**/MF **A01**

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Charmonium Spectroscopy in Proton-Antiproton Annihilation.
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Energy Dependence of Proton-Proton and Antiproton-Proton Scattering at the CERN Intersecting Storage Rings.
DE85781538 **25**-*559,668* PC **A08**/MF **A01**

Soft Hadronic Interactions at the CERN Colliders.
DE85900478 **20**-*546,830* PC **A02**/MF **A01**

Status and First Results from the UA2 Experiment.
DE85901010 **20**-*546,842* PC **A02**/MF **A01**

Results from PS 172.
DE85901022 **20**-*546,845* PC **A02**/MF **A01**

Formation of Charmonium States in Antiproton-Proton Annihilation.
DE85901023 **22**-*551,644* PC **A02**/MF **A01**

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DE85901029 **20**-*546,847* PC **A02**/MF **A01**

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DE85901032 **22**-*551,646* PC **A03**/MF **A01**

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DE85901038 **20**-*546,848* PC **A03**/MF **A01**

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DE85901046 **20**-*546,849* PC **A02**/MF **A01**

P Anti p Annihilations at Rest in Hydrogen Gas: Report on Preliminary Results of the ASTERIX Experiment at LEAR.
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DE85901955 **26**-*561,405* PC **A02**/MF **A01**

PROTON BEAMS

Study in Spurious Sensitivity of Electronics in Space.
AD-A148 386/6 **05**-*512,187* PC **A02**/MF **A01**

Atomic and Nuclear Properties of Materials.
DE83750196 **09**-*520,304* PC **A02**/MF **A01**

Focal Plane Polarimeter Design.
DE84010056 **02**-*504,913* PC **A02**

Performing (P Vector,N), (D Vector,N) and (N Vector,N) Measurements with a Rotating Magnet Beam Swinger.
DE84017003 **02**-*504,987* PC **A02**/MF **A01**

Complete Snake and Rotator Schemes for Spin Polarization in Proton Rings and Large Electron Rings.
DE84751510 **05**-*512,473* PC **A02**/MF **A01**

Study on the Construction of a Combined Cooler-Synchroton Ring at the KFA Juelich (COSY Study).
DE84751953 **08**-*517,812* PC **A04**/MF **A01**

Measurement of Proton Autoneutralization Potential.
DE85001752 **04**-*510,332* PC **A02**/MF **A01**

Dynamics of RF Captured Cooled Proton Beams.
DE85004268 **08**-*517,852* PC **A02**/MF **A01**

Proton Therapy Nozzles Design and Analysis.
DE85004278 **09**-*518,643* PC **A02**/MF **A01**

Review of Polarized Proton Beam Techniques and a Report on the Workshop on Polarized Beams.
DE85004390 **09**-*520,291* PC **A02**/MF **A01**

Personal History of Nucleon Polarization Experiments.
DE85007767 **14**-*532,630* PC **A03**/MF **A01**

Commissioning the Polarized Beam in the AGS.
DE85010958 **19**-*544,110* PC **A02**/MF **A01**

Acceleration of Polarized H exp - in the BNL 200 MeV Linac.
DE85011836 **19**-*544,115* PC **A02**/MF **A01**

Possibilities of Polarized Protons in Sp Anti p S and Other High Energy Hadron Colliders.
DE85012517 **24**-*556,689* PC **A02**/MF **A01**

Remote Recovery of Irradiated Tensile Samples Incapsulated in Pb-Bi.
DE85014090 **24**-*556,698* PC **A02**/MF **A01**

Low Cost/Low Intensity 50 MeV Proton Irradiation Facility.
DE85014977 **24**-*556,728* PC **A02**/MF **A01**

Equipment for Momentum Cooling at TARN.
DE85700408 **15**-*534,819* PC **A04**/MF **A01**

Electromagnetic Radiation of Protons in Edge Fields of Synchrotron Dipole Magnets.
DE85700735 **22**-*551,496* PC **A02**/MF **A01**

Beam Microwave Instability in Proton Synchrotrons.
DE85701888 **25**-*559,493* PC **A02**/MF **A01**

Phase-Space Cooling of Ion Beams.
DE85900498 **22**-*551,502* PC **A02**/MF **A01**

Polarized Targets and Ion Sources: New Possibilities.
DE85901004 **20**-*546,573* PC **A02**/MF **A01**

PROTON CHANNELING

Investigation of Channeled Proton Trajectory Stability in Bent Crystals.
DE84702766 **09**-*520,707* PC **A02**/MF **A01**

Axial Channeling of High Energy Protons in Direct and Bent Silicon Crystals.
DE84702767 **09**-*520,708* PC **A02**/MF **A01**

Problem of High Energy Proton Spin Motion in Curved Monocrystals.
DE85700634 **20**-*546,986* PC **A02**/MF **A01**

PROTON DECAY

Some Thoughts on Searches for Proton Decay.
DE84016988 **03**-*507,397* PC **A02**/MF **A01**

Low Energy Supersymmetric Models for Several Generations and Proton Decay.
DE84702258 **03**-*507,477* PC **A02**/MF **A01**

Role of Hadronic Dynamics in Proton Decay.
DE84702260 **03**-*507,478* PC **A03**/MF **A01**

Does the SU(5) Monopole Catalyze Proton Decay.
DE84702261 **03**-*507,479* PC **A02**/MF **A01**

Proton Decay in the Framework of a Non-Relativistic Potential Model.
DE84703112 **08**-*517,930* PC **A03**/MF **A01**

Supersymmetric Inflationary Cosmology.
DE85001332 **04**-*508,019* PC **A02**/MF **A01**

Data Preprocessor and Compactor for the Soudan 2 Nucleon Decay Experiment.
DE85004817 **11**-*525,027* PC **A02**/MF **A01**

Search for Proton Decay: Status Report 1984.
DE85008283 **15**-*534,857* PC **A02**/MF **A01**

Supersymmetry, Grand Unification and Proton Decay.
DE85012395 **22**-*551,536* PC **A02**/MF **A01**

Proton Decay in Grand Unified Theories.
DE85700032 **09**-*520,497* PC **A05**/MF **A01**

Chiral Quarks and Proton Decay.
DE85700254 **12**-*528,025* PC **A02**/MF **A01**

Grand Unified Theories and Proton Decay.
DE85700518 **16**-*536,811* PC **A02**/MF **A01**

New Selection Rules for the SU(5) Monopole Catalyzed Proton Decay Reactions.
DE85700531 **16**-*536,824* PC **A02**/MF **A01**

Matter-Antimatter Oscillations and Proton Decay in E sub 6.
DE85700532 **16**-*536,825* PC **A02**/MF **A01**

Proton Decay in the SU(5) Model of Grand Unification.
DE85700670 **20**-*546,683* PC **A02**/MF **A01**

Possibility of Proton Decay Searches Up to the Level of 10 exp 35 Years.
DE85700758 **22**-*551,103* PC **A02**/MF **A01**

Proton Decay in the Potential Model Approach.
DE85701439 **22**-*551,597* PC **A02**/MF **A01**

Do Protons Decay.
DE85781046 **25**-*559,639* PC **A02**/MF **A01**

Nucleon Decay in Supersymmetric Models Via Gluino Dressed Graphs.
PB85-117810 **03**-*507,622* PC **E03**/MF **E03**

Do Protons Decay,
PB85-138881 **06**-*514,184* PC **E03**/MF **E03**

Current State of Nucleon Decay Experiments,
PB85-159556 **10**-*523,039* PC **E03**/MF **E03**

PROTON DENSITY (CONCENTRATION)

Properties of the Reflected Beams from the Earth's Bow Shock: A Simple Model.
N85-32088/5 **23**-*552,027* PC **A03**/MF **A01**

PROTON DETECTION

Monte Carlo Simulation of the Response of a Hadronic Calorimeter to Protons of Momentum 3.5 to 200 GeV/C.
DE85006094 **11**-*525,034* PC **A02**/MF **A01**

Some Characteristics of the CR-39 Solid State Nuclear-Track Detector for Protons and Low Energy alpha Particles.
DE85780488 **16**-*536,584* PC **A04**/MF **A01**

Ring Imaging Cerenkov Detector for the CERN Omega Spectrometer,
PB85-231793 **23**-*553,843* PC **E04**/MF **E04**

PROTON-DEUTERON INTERACTIONS

Estimation of the Value of Six-Quark State Admixture in Deuteron from Elastic pd-Scattering.
DE84702240 **03**-*507,461* PC **A02**/MF **A01**

Measurement of the Analysing Power T sub 20 in the Backward Elastic Scattering D.p in the Region of delta -Excitation and Theoretical Analysis of This Reaction.
DE84752346 **12**-*527,984* PC **A07**/MF **A01**

Production of Charged Hadrons with Large Transverse Momentum in Proton-Deuteron Collisions at 70 GeV.
DE85700677 **20**-*546,689* PC **A02**/MF **A01**

Bremsstrahlung and Radiative Processes at Medium Energies.
DE85900432 **14**-*532,660* PC **A02**/MF **A01**

PROTON-ELECTRON MASS RATIO

Preliminary Proton/Electron Mass Ratio Using a Precision Mass-Ratio Spectrometer,
PB85-130722 **08**-*518,024*
(Order as PB85-130078, PC **A99**/MF **A01**)

Direct Determination of the Proton-Electron Mass Ratio,
PB85-130730 **08**-*518,025*
(Order as PB85-130078, PC **A99**/MF **A01**)

PROTON ENERGY

Compact Time-of-Flight Energy Analyzer of High Resolution.
N85-18318/4 **12**-*527,719* PC **A03**/MF **A01**

Operational Test of a Time-of-Flight Analyzer at the ASDEX Tokamak.
N85-18319/2 **12**-*527,720* PC **A03**/MF **A01**

Properties of the Reflected Beams from the Earth's Bow Shock: A Simple Model.
N85-32088/5 **23**-*552,027* PC **A03**/MF **A01**

PROTON INDUCED GAMMA RAY EMISSION ANALYSIS

Rapid Rock Analysis and Microprobe Scanning of Dermatological Material Using Proton-Induced X-Ray and Gamma -Ray Emission.
DE85700344 **17**-*537,666* PC **A02**/MF **A01**

PROTON INDUCED X RAY EMISSION ANALYSIS

Rapid Rock Analysis and Microprobe Scanning of Dermatological Material Using Proton-Induced X-Ray and Gamma -Ray Emission.
DE85700344 **17**-*537,666* PC **A02**/MF **A01**

PROTON IRRADIATION

Radiation Effects in Silicon and Gallium Arsenide Solar Cells Using Isotropic and Normally Incident Radiation.
N84-34793/9 **02**-*504,010* PC **A04**/MF **A01**

Radiation Effects Induced in PIN Photodiodes by 40- and 85-Mev Protons.
N85-24960/5 **17**-*537,897* PC **A03**/MF **A01**

Study of Proton and Neutron Activation of Metal Samples in Low Earth Orbit.
N85-32130/5 **24**-*556,463* PC **A08**/MF **A01**

PROTON-NEUTRON INTERACTIONS

Quark Dynamics of Polarization in Inclusive Hadron Production.
DE81700423 **20**-*546,597* PC **A02**/MF **A01**

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DE85900494 **24**-*556,893* PC **A02**/MF **A01**

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DE84702093 **03**-*507,436* PC **A02**/MF **A01**

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DE84702882 **06**-*513,051* PC **A03**/MF **A01**

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DE84702883 **09**-*520,326* PC **A04**/MF **A01**

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DE84702884 **09**-*520,327* PC **A02**/MF **A01**

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Momentum Space Approach to Microscopic Effects in Elastic Proton Scattering.
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DE85007767 **14**-*532,630* PC **A03**/MF **A01**

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DE85751306 **20**-*546,772* PC **A02**/MF **A01**

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DE85751639 **22**-*551,622* PC **A09**/MF **A01**

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DE85900286 **08**-*518,006* PC **A02**/MF **A01**

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DE85000267 **05**-*512,229* PC **A02**/MF **A01**

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DE84017074 **02**-*504,989* PC **A09**/MF **A01**

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DE85700086 **09**-*520,522* PC **A02**/MF **A01**

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PB85-117661 **03**-*507,617* PC **E05**/MF **E05**

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DE85004627 **11**-*525,024* PC **A03**/MF **A01**

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DE85012548 **20**-*544,969* PC **A09**/MF **A01**

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DE85017187 **26**-*560,498* PC **A02**/MF **A01**

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DE85900500 **20**-*546,835* PC **A02**/MF **A01**

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DE85901050 **24**-*556,895* PC **A02**/MF **A01**

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DE83704484 **02**-*504,940* PC **A02**/MF **A01**

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AD-A153 460/1 16-*536,543* MF **A01**

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Wideband, Phase Coded Millimeter Wave Instrumentation Radar.
AD-A152 809/0 15-*534,516* PC **A02**/MF **A01**

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AD-A153 010/4 **15**-*534,783* Not available NTIS

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AD-A153 065/8 **15**-*534,487* PC **A03**/MF **A01**

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AD-A155 184/5 **19**-*543,760* PC **A02**/MF **A01**

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AD-A155 322/1 **19**-*543,786* PC **A02**/MF **A01**

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PATENT-4 509 051 **24**-*556,225* Not available NTIS

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PATENT-4 513 289 **24**-*556,226* Not available NTIS

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PATENT-4 524 362 **24**-*556,227* Not available NTIS

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PATENT-4 524 363 **24**-*556,228* Not available NTIS

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PAT-APPL-6-643 203 **08**-*516,703* PC **A02**/MF **A01**

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PATENT-4 463 264 **11**-*525,036* Not available NTIS

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ITEF-111(1980) **20**-*546,164* PC **A02**/MF **A01**

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N85-10816/5 **03**-*507,380* PC **A02**/MF **A01**

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DE84702950 **05**-*511,614* PC **A02**/MF **A01**

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DE85012672 **21**-*549,069* PC **A02**/MF **A01**

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DE85013116 **21**-*549,104* PC **A02**/MF **A01**

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DE85701761 **25**-*559,424* PC **A02**/MF **A01**

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PAT-APPL-6-638 586 **01**-*502,095* PC **A02**/MF **A01**

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PATENT-4 481 485 **14**-*531,654* Not available NTIS

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PATENT-4 507 762 **19**-*543,067* Not available NTIS

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PB85-104016 **02**-*503,778* PC **E04**/MF **E01**

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PB85-108389
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PB85-137263 **06**-*513,475* PC **E03**/MF **E03**

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DE85780460 **16**-*536,392* PC **A03**/MF **A01**

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PB85-177244 **12**-*527,442* PC **A08**/MF **A01**

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N84-34253/4 **01**-*502,092* PC **A06**/MF **A01**

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N85-30178/6 **22**-*550,932* PC **A04**/MF **A01**

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PAT-APPL-6-624 568 **01**-*502,124* PC **A03**/MF **A01**

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AD-A154 228/1 **17**-*537,878* PC **A03**/MF **A01**

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DE85005964 **24**-*556,898* PC **A03**/MF **A01**

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N85-11132/6 **04**-*510,426* PC **A04**/MF **A01**

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AD-A150 292/1 **10**-*522,963* PC **A02**/MF **A01**

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AD-A153 769/5 **16**-*535,826* PC **A02**/MF **A01**

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AD-A153 951/9 **16**-*536,760* PC **A05**/MF **A01**

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PYRAZABOLE/BIS (PYRAZOLYL)

Structures of Three Pyrazaboles: 1,3,5,7-Tetramethylpyrazabole; 4,4-Bis(pyrazol-1'-yl)pyrazabole; 4,4,8,8-Tetrakis(pyrazol-1'yl)pyrazabole.
AD-A148 995/4 **07**-*514,687* PC **A02**/MF **A01**

PYRAZABOLE/TETRAKIS (PYRAZOLYL)

Structures of Three Pyrazaboles: 1,3,5,7-Tetramethylpyrazabole; 4,4-Bis(pyrazol-1'-yl)pyrazabole; 4,4,8,8-Tetrakis(pyrazol-1'yl)pyrazabole.
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PYRAZABOLE/TETRAMETHYL

Structures of Three Pyrazaboles: 1,3,5,7-Tetramethylpyrazabole; 4,4-Bis(pyrazol-1'-yl)pyrazabole; 4,4,8,8-Tetrakis(pyrazol-1'yl)pyrazabole.
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PB85-222578 **21**-*547,560* PC **A08**/MF **A01**

PYRENE/AMINO

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DE85017188 **26**-*560,425* PC **A02**/MF **A01**

PYRENE CARBOXALDEHYDE

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PB85-170991 **13**-*528,673* PC **A03**/MF **A01**

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PB85-218857 **21**-*547,719* PC **A02**/MF **A01**

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PB85-210110 **19**-*542,524* Not available NTIS

PYREX

Ion Implantation Damage Processes in Nuclear Waste Glass and Other Silicate Glasses.
DE85004170 **09**-*520,024* PC **A02**/MF **A01**

PYRIDINE

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DE85000618 **04**-*508,793* PC **A11**/MF **A01**

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PB85-148302 **08**-*516,363*
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PYRIDINE THIOSEMICARBAZONE/BUTYRYL

2-Acetylpyridine Thiosemicarbazones. 10. 2-Propionyl-, 2-Butyryl-, and 2-(2-Methylpropionyl)Pyridine Thiosemicarbazones as Potential Antimalarial Agents.
AD-A152 246/5 **13**-*528,815* PC **A02**/MF **A01**

PYRIDINE THIOSEMICARBAZONE/ (METHYL PROPIONYL)

2-Acetylpyridine Thiosemicarbazones. 10. 2-Propionyl-, 2-Butyryl-, and 2-(2-Methylpropionyl)Pyridine Thiosemicarbazones as Potential Antimalarial Agents.
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2-Acetylpyridine Thiosemicarbazones. 10. 2-Propionyl-, 2-Butyryl-, and 2-(2-Methylpropionyl)Pyridine Thiosemicarbazones as Potential Antimalarial Agents.
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AD-A151 806/7 **13**-*528,809* PC **A02**/MF **A01**

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AD-A145 967/6 **01**-*500,871* PC **A02**/MF **A01**

Electrochemistry and Electrochemical Methodology in Molten Salts.
AD-A149 613/2 **09**-*518,824* PC **A03**/MF **A01**

Effect of Xe Underlayers on the Surface Enhanced Raman Scattering of Pyridine on Cold Silver.
AD-A150 109/7 **09**-*518,850* PC **A02**/MF **A01**

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AD-A154 147/3 **17**-*537,625* PC **A02**/MF **A01**

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AD-A157 940/8 **24**-*555,275* PC **A02**/MF **A01**

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N85-10104/6 **03**-*505,884* PC **A04**/MF **A01**

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N85-28106/1 **20**-*544,938* PC **A09**/MF **A01**

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PB85-148302 **08**-*516,363*
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PB85-230423 **23**-*552,549* Not available NTIS

PYRIDINIUM ALDOXIMES

Nonquaternary Cholinesterase Reactivators.
AD-A157 214/8 **23**-*552,368* PC **A05**/MF **A01**

PYRIDINIUM CHLORIDE/N-BUTYL

Electrochemical Studies of Antimony (III) and Antimony (V) in Molten Mixtures of Aluminum Chloride and Butylpyridinium Chloride.
AD-A149 583/7 **09**-*518,823* PC **A02**/MF **A01**

Electrochemistry and Electrochemical Methodology in Molten Salts.
AD-A149 613/2 **09**-*518,824* PC **A03**/MF **A01**

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DE85013113 **25**-*557,956* PC **A02**/MF **A01**

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PB85-142099 **06**-*513,277* Not available NTIS

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AD-A148 553/1 **05**-*511,122* PC **A05**/MF **A01**

Method for Isolation and Determination of Pyridostigmine and Metabolites in Urine and Blood.
AD-A150 372/1 **10**-*521,606* PC **A02**/MF **A01**

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AD-A150 452/1 **10**-*521,607* PC **A03**/MF **A01**

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AD-A151 543/6 **12**-*526,582* PC **A02**/MF **A01**

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AD-A145 788/6 **01**-*500,811* PC **A02**/MF **A01**

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AD-A149 822/9 **09**-*518,601* PC **A03**/MF **A01**

PYRINE/AMINO-DIMETHYL

Investigations into the Post-Natal Development of Demthylating Enzyme Systems by Determination of Carbon Dioxide 14 in the Air Exhaled by Mice after Applications of Carbon 14 Dimethyl Amino-Antipyrine.
DE85780780 **19**-*542,558* PC **A04**/MF **A01**

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DE85005120 **09**-*520,890* PC **A09**/MF **A01**

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DE85006733 **13**-*530,617* PC **A02**/MF **A01**

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DE85014562 **25**-*557,960* PC **A12**/MF **A01**

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DE85014889 **24**-*557,134* PC **A02**/MF **A01**

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DE85016505 **25**-*559,911* PC **A04**/MF **A01**

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DE84015823 **02**-*504,684* PC **A02**/MF **A01**

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DE85005187 **11**-*525,111* PC **A02**/MF **A01**

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DE85014040 **24**-*556,391* PC **A02**/MF **A01**

Radiation Effects in Actinide Host Phases.
DE85016273 **26**-*561,441* PC **A02**/MF **A01**

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AD-A149 239/6 **08**-*517,190* PC **A03**/MF **A01**

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AD-A158 288/1 **24**-*555,296* PC **A02**/MF **A01**

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N85-27008/0 **19**-*542,813* PC **A03**/MF **A01**

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AD-A150 202/0 **10**-*521,386* PC **A02**/MF **A01**

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PB85-189785 **16**-*535,743* PC **E04**/MF **E04**

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AD-A146 285/2 **01**-*501,012* PC **A03**/MF **A01**

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AD-A146 470/0 **01**-*501,027* PC **A02**/MF **A01**

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AD-A146 791/9 **02**-*504,025* PC **A02**/MF **A01**

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AD-A146 863/6 **02**-*504,026* PC **A02**/MF **A01**

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AD-A147 336/2 **03**-*505,831* PC **A02**/MF **A01**

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AD-A148 037/5 **04**-*508,757* PC **A02**/MF **A01**

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AD-A148 281/9 **05**-*511,194* PC **A02**/MF **A01**

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AD-A148 282/7 **05**-*511,195* PC **A02**/MF **A01**

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AD-A151 567/5 **12**-*526,663* PC **A02**/MF **A01**

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AD-A153 891/7 **16**-*535,835* PC **A05**/MF **A01**

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AD-A156 884/9 **22**-*551,806* PC **A09**/MF **A01**

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AD-A158 505/8 **25**-*557,931* PC **A02**/MF **A01**

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DE85012264 **23**-*552,932* PC **A02**/MF **A01**

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DE85014798 **24**-*557,131* PC **A06**/MF **A01**

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DE85016055 **26**-*561,971* PC **A02**/MF **A01**

Rapid Pyrolysis of Powdered Brown Coals in a Chemical Shock Tube.
DE85770050 **20**-*547,023* PC **A06**/MF **A01**

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N85-25444/9 **18**-*541,918* PC **A08**/MF **A01**

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N85-26932/2 **19**-*543,191* PC **A03**/MF **A01**

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N85-31244/5 **23**-*554,334* PC **A02**/MF **A01**

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PAT-APPL-6-580 500 **21**-*547,733* PC **A02**/MF **A01**

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PAT-APPL-6-633 363 **01**-*500,937* PC **A02**/MF **A01**

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PB85-123388 **04**-*508,848* Not available NTIS

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PB85-138535 **06**-*513,756* PC **A05**/MF **A01**

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PB85-140184 **06**-*514,274* PC **A11**/MF **A01**

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PB85-174936 **10**-*523,179* PC **A03**/MF **A01**

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PB85-226520 **20**-*547,034* PC **A06**/MF **A01**

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PB85-240695 **25**-*558,817* PC **E09**/MF **E09**

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PB85-246080 **23**-*554,337* PC **A04**/MF **A01**

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PB85-851293 **02**-*505,219* PC **N01**/MF **N01**

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DE84016334 **01**-*502,694* PC **A03**/MF **A01**

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DE85010179 **25**-*559,841* PC **A02**/MF **A01**

Characterization and Study of the Thermal Behavior of Coal-Derived Asphaltenes.
DE85016056 **25**-*559,902* PC **A02**/MF **A01**

PYROLYTIC CARBON

Static Pyrocarbon Deposition in the Temperature Range of 1900 degrees C-2000 degrees C.
DE85750077 **12**-*526,695* PC **A09**/MF **A01**

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Reduction of Chromite in a Transferred-Arc Plasma Furnace,
PB85-217685 **22**-*550,477* PC **E03**/MF **E01**

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DE85012577 **23**-*554,382* PC **A05**/MF **A01**

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N85-24268/3 **17**-*538,713* PC **A02**/MF **A01**

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PB85-118370 **03**-*506,839* Not available NTIS

PYROPHORIC MATERIALS

Pyrophoric Alkylaluminum Compounds in Decoy Flares.
N85-29039/3 **21**-*548,995* PC **A03**/MF **A01**

Pyrofora Alkylaluminiumfoereningar i Motmedelsfacklor (Pyrophoric Alkylaluminium Compounds in Decoy Flares),
PB85-162014 **11**-*525,311* PC **E04**/MF **E01**

PYROPHOSPHATES

Sup(99M)Tc-Pyrophosphate Scintiscanning in Diagnostic Orthopaedics.
DE85781569 **25**-*557,679* PC **A04**/MF **A01**

PYROTECHNIC DEVICES

Study of Bridgewire Size and Pyrotechnic Density Relationships on All-Fire Levels.
DE84016946 **02**-*504,838* PC **A02**/MF **A01**

Thermal Conductivity of Iron/Potassium Perchlorate Heat Powder.
DE84017071 **02**-*504,839* PC **A02**/MF **A01**

CVD Boron on Calcium Chromate Powder.
DE85000214 **04**-*510,147* PC **A03**/MF **A01**

Thermal Expansion Coefficients of a 30% Glass Fiber Filled PEEK Pyrotechnic Charge Holder.
DE85010805 **18**-*541,625* PC **A02**/MF **A01**

Friction, Impact, and Electrostatic Discharge Sensitivities of Energetic Materials.
DE85013321 **21**-*548,994* PC **A02**/MF **A01**

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DE85017384 **26**-*561,665* PC **A03**/MF **A01**

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DE85017421 **26**-*561,666* PC **A02**/MF **A01**

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AD-A149 312/1 **08**-*517,703* PC **A03**/MF **A01**

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AD-A150 455/4 **10**-*522,894* PC **A03**/MF **A01**

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DE85701162 **20**-*546,991* PC **A02**/MF **A01**

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DE85001574 **05**-*512,530* PC **A02**/MF **A01**

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DE85002041 **06**-*513,655* PC **A02**/MF **A01**

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DE84702095 **03**-*507,438* PC **A02**/MF **A01**

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AD-A155 735/4 **19**-*542,786* PC **A02**/MF **A01**

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N84-33566/0 **01**-*501,552* PC **A02**/MF **A01**

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AD-A147 837/9 **04**-*509,534* PC **A02**/MF **A01**

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AD-A147 980/7 **04**-*509,536* PC **A02**/MF **A01**

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AD-A148 538/2 **05**-*511,774* PC **A03**/MF **A01**

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AD-A150 655/9 **11**-*524,562* PC **A02**/MF **A01**

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N85-12585/4 **06**-*513,441* PC **A03**/MF **A01**

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N85-14601/7 **08**-*516,640* PC **A02**/MF **A01**

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AD-A157 178/5 **23**-*552,367* PC **A02**/MF **A01**

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AD-A151 818/2 **13**-*528,810* PC **A02**/MF **A01**

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Acute Dermal Toxicity of (E)-1,2,3,4-Tetrahydro-6-Methyl-1-(2-Methyl-1-Oxo-2-Butenyl) Quinoline (CHR5) in Male and Female Rats.
AD-A146 777/8 **02**-*503,461* PC **A02**/MF **A01**

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PATENT-4 440 771 **01**-*500,822* Not available NTIS

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AD-A146 853/7 **02**-*503,421* PC **A03**/MF **A01**

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AD-A148 659/6 **06**-*513,220* PC **A02**/MF **A01**

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AD-A151 339/9 **12**-*527,146* Not available NTIS

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DE85016529 **25**-*559,916* PC **A03**/MF **A01**

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PATENT-4 431 807 **03**-*505,755* Not available NTIS

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AD-A156 227/1 **21**-*548,759* PC **A24**/MF **A01**

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AD-A158 839/1 **25**-*557,618* PC **A02**/MF **A01**

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PB85-171643 **12**-*526,393* PC **A03**/MF **A01**

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PB85-245090 **25**-*557,253* PC **A06**/MF **A01**

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AD-A154 908/8 **18**-*540,164* PC **A02**/MF **A01**

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AD-A145 975/9 **01**-*500,530* PC **A04**/MF **A01**

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AD-A153 921/2 **16**-*535,632* PC **A05**/MF **A01**

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AD-A158 787/2 **25**-*557,584* PC **A05**/MF **A01**

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PB85-153369 **09**-*518,585* PC **A02**/MF **A01**

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N85-30960/7 **22**-*549,683* MF **A01**

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DE85010725 **18**-*541,719* PC **A02**/MF **A01**

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DE85012658 **21**-*549,085* PC **A02**/MF **A01**

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DE85012669 **22**-*551,387* PC **A02**/MF **A01**

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DE85012679 **22**-*551,392* PC **A02**/MF **A01**

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Measuring Institutional Discrimination in an Infantry Division.
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AD-A158 892/0 **25**-*557,586* PC **A06**/MF **A01**

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Low Sidelobe Phased Array Antenna System. PATENT-4 489 324 **11**-*524,929* Not available NTIS

RADAR ANTIJAMMING

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Multiple Loop Sidelobe Canceller. PATENT-4 495 502 **11**-*524,917* Not available NTIS

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RADAR BEACONS

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RADAR BEAMS

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Use of the Glistening Surface Concept in Rough Surface Scattering. AD-A154 922/9 **18**-*541,438* PC **A03**/MF **A01**

'Head-On' Scattering of a Tubular Cylinder of Finite Length for Radar Target Identification Purposes. AD-A155 608/3 **19**-*543,789* PC **A08**/MF **A01**

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Numerical Methods for Analyzing Electromagnetic Scattering. N85-21438/5 **14**-*532,734* PC **A04**/MF **A01**

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Measurement Procedures for the Radar Spectrum Engineering Criteria. PB85-119022 **04**-*509,937* PC **A06**/MF **A01**

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Application of a High-Speed Microcontroller to a Digital Radar Display. PB85-238434 **22**-*550,263*
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RADAR HOMING

Dual Mode Radio Frequency-Infrared Frequency System. PATENT-4 477 814 **04**-*509,953* Not available NTIS

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Extraction of Structural Information from Radar Signals. N85-17292/2 **11**-*524,927* PC **A04**/MF **A01**

Analysis of Data Acquired by Synthetic Aperture Radar and LANDSAT Multispectral Scanner over Kershaw County, South Carolina, During the Summer Season. N85-19485/0 **13**-*528,374* PC **A03**/MF **A01**

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Remote Sensing of Directional Wave Spectra Using the Surface Contour Radar. N85-24510/8 **17**-*537,854* PC **A02**/MF **A01**

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N85-25927/3 **18**-*540,469* PC **A06**/MF **A01**

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N85-26048/7 **18**-*540,440* PC **A02**/MF **A01**

Radar Return from Vegetation Covered Terrain.
N85-27093/2 **19**-*543,791* PC **A02**/MF **A01**

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N85-27843/0 **20**-*544,507* PC **A08**/MF **A01**

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N85-29603/6 **21**-*547,964* PC **A02**/MF **A01**

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Production of Optically Correlated SEASAT-A (SEA Satellite) SAR (Synthetic Aperture Radar) Imagery at DREO (Defence Research Establishment Ottawa).
AD-A145 970/0 **01**-*501,290* PC **A02**/MF **A01**

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AD-A148 343/7 **05**-*512,191* PC **A07**/MF **A01**

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AD-A149 324/6 **08**-*517,401* PC **A12**/MF **A01**

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AD-A150 098/2 **09**-*519,869* PC **A07**/MF **A01**

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AD-A151 484/3 **12**-*527,675* PC **A02**/MF **A01**

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AD-A151 533/7 **12**-*527,676* PC **A03**/MF **A01**

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AD-A152 519/5 **14**-*532,405* PC **A03**/MF **A01**

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AD-A153 112/8 **15**-*533,807* PC **A06**/MF **A01**

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AD-A158 827/6 **25**-*558,177* PC **A05**/MF **A01**

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PB85-104024 **02**-*504,585* PC **E04**/MF **E01**

RADAR JAMMING

Angle Set-On Apparatus.
PATENT-4 517 568 **23**-*553,790* Not available NTIS

RADAR LANDING CONTROL

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AD-A149 800/5 **09**-*519,854* PC **A02**/MF **A01**

RADAR MAPPING

Aspects and Applications of SAR (Synthetic Aperture Radar) Imagery for Mensuration,
AD-A146 301/7 **01**-*502,119* PC **A04**/MF **A01**

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Millimetre Wave Pulse Technology.
N85-31611/5 **23**-*552,611* PC **A02**/MF **A01**

RADAR MEASUREMENT

Simultaneous Ocean Cross-Section and Rainfall Measurements from Space with a Nadir-Pointing Radar.
N85-16273/3 **10**-*521,085* PC **A03**/MF **A01**

Comparison of Wind and Turbulence Measurements from Doppler Lidar and Instrumented Aircraft.
N85-31729/5 **23**-*552,039* PC **A04**/MF **A01**

RADAR METEOROLOGY

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AD-A156 477/2 **21**-*547,274* PC **A02**/MF **A01**

RADAR NETWORKS

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N84-33842/5 **01**-*500,225* PC **A04**/MF **A01**

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N85-18044/6 **12**-*527,670* PC **A10**/MF **A01**

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N85-32466/3 **24**-*554,694* PC **A17**/MF **A01**

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AD-A147 108/5 **02**-*503,754* PC **A02**/MF **A01**

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AD-A147 929/4 **04**-*509,163* PC **A02**/MF **A01**

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AD-A148 267/8 **05**-*512,189* PC **A02**/MF **A01**

Generation of High Resolution Radar Range Profiles and Range Profile Auto-Correlation Functions Using Stepped-Frequency Pulse Train.
AD-A149 242/0 **08**-*517,399* PC **A07**/MF **A01**

Huffman-Coded Pulse Compression Waveforms.
AD-A155 322/1 **19**-*543,786* PC **A02**/MF **A01**

Technique for Rapid Determination of Probability of Detection in Pulse Doppler Radars.
PAT-APPL-6-657 099 **05**-*512,199* PC **A02**/MF **A01**

Method and Means for Providing Frequency Agile Operation of MTI (Moving Target Indicator) Radar.
PATENT-4 495 501 **11**-*524,930* Not available NTIS

P1 Polyphase Code Expander-Compressor.
PATENT-4 513 289 **24**-*556,226* Not available NTIS

Phase Coded Pulse Expander-Compressor.
PATENT-4 524 362 **24**-*556,227* Not available NTIS

P2 Polyphase Code Expander-Compressor.
PATENT-4 524 363 **24**-*556,228* Not available NTIS

RADAR RANGE

Pulse Heterodyne Equipment for Measurements of Range and Velocity of Moving Targets-Pulse Radar.
N85-16246/7 **12**-*527,677* PC **A03**/MF **A01**

RADAR RANGES

SEASAT SAR Sea-Ice Imagery: Summer Melt to Autumn Freeze-Up.
AD-A148 422/9 **05**-*511,440* PC **A02**/MF **A01**

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AD-A146 771/1 **02**-*504,580* PC **A03**/MF **A01**

Radar Warning Receiver Special Function Trainer: Preliminary Evaluation.
AD-A155 021/9 **18**-*541,440* PC **A02**/MF **A01**

Multi-Channel Radar Receiver.
AD-A156 058/0 **21**-*548,812* PC **A02**/MF **A01**

Hurra, a High Resolution Experimental Radar System Broadband Receiver.
N85-29132/6 **21**-*548,816* PC **A04**/MF **A01**

Gain Restoration after Doppler Filtering.
PAT-APPL-6-656 845 **05**-*512,198* PC **A02**/MF **A01**

Bistatic Coherent Radar Receiving System.
PAT-APPL-6-666 841 **07**-*515,308* PC **A03**/MF **A01**

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PATENT-4 468 794 **10**-*522,007* Not available NTIS

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PATENT-4 496 917 **11**-*524,879* Not available NTIS

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PB85-163822 **11**-*524,931* PC **E05**/MF **E01**

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Brief Investigation into the Validity of SEASAT Radar Altimeter Data Acquired Over Land.
AD-A146 560/8 **01**-*502,121* PC **A03**/MF **A01**

Intermediate Results of Radar Backscatter Measurements from Summer Sea Ice.
AD-A147 212/5 **03**-*506,047* PC **A04**/MF **A01**

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AD-A150 303/6 **10**-*521,898* PC **A02**/MF **A01**

Automated Cell Detection as a Mesocyclone Precursor Tool.
AD-A154 952/6 **18**-*539,791* PC **A03**/MF **A01**

Radar Determination of Snowfall Rate and Accumulation.
AD-A155 085/4 **18**-*539,795* PC **A02**/MF **A01**

RADAR REFLECTORS

Cassegrain Reflector Sidelobe Reduction Study.
AD-A158 625/4 **25**-*558,902* PC **A06**/MF **A01**

Data Appendix: F-Number= 1.0 EMR with a Flexible Back Electrode.
N85-15994/5 **10**-*522,005* PC **A04**/MF **A01**

RADAR SCANNING

Thunderstorm Phenomena and Weather Radar Scanning Strategies.
AD-A158 904/3 **25**-*557,311* PC **A02**/MF **A01**

RADAR SCATTERING

Research Efforts in Support of Resonance Extraction Studies. Volume 1. Improvement and Validation of TWFD (Thin-Wire Frequency-Domain): A Thin-Wire Frequency-Domain Scattering Code.
AD-A150 296/2 **10**-*523,122* PC **A03**/MF **A01**

Amplitude Distribution of Composite Terrain Radar Clutter and the K-Distribution.
AD-A154 265/3 **17**-*538,818* PC **A02**/MF **A01**

Scattering Models in the Microwave Regime.
N85-13361/9 **07**-*515,591* PC **A04**/MF **A01**

Simultaneous Ocean Cross-Section and Rainfall Measurements from Space with a Nadir-Pointing Radar.
N85-16273/3 **10**-*521,085* PC **A03**/MF **A01**

Extraction of Structural Information from Radar Signals.
N85-17292/2 **11**-*524,927* PC **A04**/MF **A01**

Oceanographic and Meteorological Research Based on the Data Products of Seasat.
N85-21753/7 **14**-*530,938* PC **A02**/MF **A01**

Modeling the Backscattering and Transmission Properties of Vegetation Canopies.
N85-27320 **19**-*542,148* PC **A16**/MF **A01**

RADAR SIGNALS

Random-Medium Propagation Theory Applied to Communication and Radar System Analyses.
AD-A147 003/8 **02**-*505,119* PC **A02**/MF **A01**

Maximum Likelihood Estimation of Spectral Parameters Using Burst Waveforms.
AD-A147 022/8 **02**-*504,582* PC **A02**/MF **A01**

Nonlinear Polarisation-Vector Translation in Radar Systems.
AD-A147 041/8 **02**-*504,583* Not available NTIS

Design of an Analog Spectrum Analyzer for Probing Experiments.
AD-A147 384/2 **03**-*506,917* PC **A04**/MF **A01**

Multiple Scattering Effects in Radar Observations of Wakes,
AD-A148 393/2 **05**-*512,192* PC **A03**/MF **A01**

Spaceborne Radar Subsurface Imaging in Hyperarid Regions.
AD-A150 240/0 **10**-*521,824* Not available NTIS

Digital Methods of the Optimum Processing of Radar Signals--Translation.
AD-A152 469/3 **14**-*532,404* PC **A23**/MF **A01**

Applications of Modern Spectral Estimation Techniques to Radar Data.
AD-A153 460/1 **16**-*536,543* MF **A01**

Injection Controlled Laser Transmitter with Twin Local Oscillators.
PAT-APPL-6-704 816 **12**-*527,664* PC **A02**/MF **A01**

Extraction of Structural Information from Radar Signals (Extraktion av Strukturell Information ur Radarsignaler),
PB85-104024 **02**-*504,585* PC **E04**/MF **E01**

RADAR SIGNATURES

Real-Time Automated Detection of Mesocyclones and Tornado Vortex Signatures.
AD-A154 968/2 **18**-*539,792* PC **A03**/MF **A01**

Modelisation Autoregressive et Classification de Fouillis de Sols (Autoregressive Modeling and the Classification of Land Clutter).
N85-12292/7 **06**-*513,990* PC **A02**/MF **A01**

Hardware Test Program for Evaluation of Baseline Range/Range Rate Sensor Concept.
N85-28194/7 **20**-*546,044* PC **A02**/MF **A01**

RADAR TARGETS

Estimation of Target Positions Using Planar Arrays.
AD-A146 621/8 **01**-*502,122* PC **A02**/MF **A01**

Polarization Scattering Matrices for Polarimetric Radar.
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RADIO

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ED-254 204 **18**-*541,399* Not available NTIS

RADIO ALTIMETERS

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N85-31219/7 **23**-*554,535* PC **A04**/MF **A01**

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PB85-859213 **13**-*528,326* PC **N01**/MF **N01**

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N85-11288/6 **04**-*509,861* PC **A03**/MF **A01**

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N85-21086/2 **14**-*530,871* PC **A05**/MF **A01**

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N85-27778/8 **19**-*542,205* PC **A02**/MF **A01**

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N85-29861/0 **21**-*547,243* PC **A02**/MF **A01**

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N85-30999/5 **22**-*549,394* PC **A02**/MF **A01**

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PB85-100329 **01**-*500,153* Not available NTIS

RADIO BEACONS

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AD-A158 642/9 **25**-*558,877* PC **A02**/MF **A01**

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PAT-APPL-6-655 606 **13**-*529,932* PC **A02**/MF **A01**

Frequency Stability and Spectrum Measurements on Emergency Position Indicating Radio Beacons,
PB85-122877 **05**-*511,084* PC **E04**/MF **E04**

VOR (Very-High-Frequency Omnidirectional Range) Calibration Services,
PB85-228393 **23**-*553,809* PC **A09**/MF **A01**

RADIO BROADCASTING

Study of Factors Affecting an HF/VHF Direct Broadcasting Satellite Service,
PB85-120889 **04**-*509,938* PC **A07**/MF **A01**

SESC (Space Environment Services Center) Satellite Broadcasting 10-Year Plan.
PB85-163541 **11**-*524,882* PC **A03**/MF **A01**

Predicting the Effects of Non-Gaussian Interference in HF Broadcasting: 1. A Methodology for an Analytic Approach,
PB85-164010 **11**-*524,883* PC **A04**/MF **A01**

Fault-Tolerant Hierarchical Broadcast Network.
PB85-170645 **09**-*519,869* Not available NTIS

Predicting the Effects of Non-Gaussian Interference in HF (High-Frequency) Broadcasting: 1. A Methodology for an Analytic Approach,
PB85-171544 **13**-*529,935* PC **A04**/MF **A01**

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PB85-202083 **18**-*541,412* Not available NTIS

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PB85-245744 **26**-*560,178* PC **A04**/MF **A01**

Engineering Assessment of the Potential Impact of Federal Radiation Protection Guidance on the AM, FM, and TV Broadcast Services,
PB85-245868 **26**-*561,344* PC **A09**/MF **A01**

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Electron-Cyclotron Maser Emission during Solar and Stellar Flares.
N85-28907/2 **20**-*544,575* PC **A02**/MF **A01**

RADIO COMMUNICATION

Programma di Simulazione di UN Canale Gwssus Utilizzabile Nei Sistemi Radiomobile (Gaussian Wide Sense Stationary Uncorrelated Scattering (Gwssus) Channel Simulation Program to Be Used for Mobile Radio Systems).
N85-10265/5 **03**-*506,886* PC **A06**/MF **A01**

Digital Radio Link: Comparison of the Resistance of Two Different 4-Phase Modulation Forms to Multipath Propagation.
N85-11291/0 **04**-*509,931* PC **A02**/MF **A01**

Calcolo Della Copertura di Sistemi Radiomobili Mediante Dati Geografico Memorizzati Su Calcolatore (Calculation of the Area Covered by Mobile Radio Systems Using Geographic Data Stored in a Computer).
N85-18247/5 **12**-*527,651* PC **A05**/MF **A01**

Firefighters' Communication Transceiver Test Plan.
N85-22854/2 **15**-*534,493* PC **A04**/MF **A01**

Comparison of Metropolitan and Non-Metropolitan Employment Characteristics: Indications of the Size of Non-Metropolitan Mobile Communication Services User Classes.
N85-22855/9 **15**-*533,183* PC **A06**/MF **A01**

Trade-off Between Land Vehicle Antenna Cost and Gain for Satellite Mobile Communications.
N85-25681/6 **18**-*541,401* PC **A09**/MF **A01**

Tone Calibrated Digital Radio Communication System.
PAT-APPL-6-727 719 **22**-*550,934* PC **A02**/MF **A01**

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PB85-104081 **01**-*502,099* PC **A04**/MF **A01**

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PB85-160539 **10**-*522,578* PC **E03**/MF **E03**

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PB85-168821 **12**-*527,657* PC **E04**/MF **E01**

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PB85-176493 **14**-*532,079* PC **E05**/MF **E01**

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PB85-183788 **16**-*536,262* PC **A03**/MF **A01**

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PB85-183796 **16**-*536,263* PC **A05**/MF **A01**

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PB85-211324 **19**-*543,533* PC **A04**/MF **A01**

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PB85-234300 **23**-*553,540* PC **A06**/MF **A01**

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PB85-850659 **01**-*502,100* PC **N01**/MF **N01**

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PB85-852093 **03**-*506,900* PC **N01**/MF **N01**

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PB85-867422 **22**-*550,942* PC **N01**/MF **N01**

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PB85-870160 **24**-*556,216* PC **N01**/MF **N01**

Final Citizens Master File (Callsign Sequence).
PB85-919000 **11**-*524,892* Standing Order

Final Citizens Master File (Name Sequence).
PB85-945900 **11**-*524,901* Standing Order

Common Carrier Land Mobile Base Stations Data Base (Suppliers).
PB85-946100 **11**-*524,902* Standing Order

Common Carrier Individual Land Mobile Data Base Name Sequence (Subscribers).
PB85-946200 **11**-*524,903* Standing Order

AM Engineering Data Base in Order by State.
PB85-947500 **11**-*524,911* Standing Order

AM Engineering Data Base in Order by County and State.
PB85-947600 **11**-*524,912* Standing Order

AM Engineering Data Base in Order by Frequency.
PB85-947700 **11**-*524,913* Standing Order

Antenna Survey System Tower File Report.
PB85-947900 **11**-*524,915* Standing Order

RADIO DIRECTION FINDERS

Direction Finder Set, Radio.
AD-A149 958/1 **09**-*519,876* PC **A02**/MF **A01**

RADIO DUCTS

Study of Interference Fields in a Ducting Environment,
PB85-242998 **26**-*561,340* PC **A03**/MF **A01**

RADIO EMISSION

Nonlinear Temporal Modulation of Pulsar Radioemission.
N84-35282/2 **02**-*502,883* PC **A02**/MF **A01**

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N85-19908/1 **13**-*528,397* PC **A02**/MF **A01**

Direct Evidence for Solar Wind Control of Jupiter's Hectometer-Wavelength Radio Emission.
N85-27790/3 **19**-*542,211* PC **A02**/MF **A01**

Analysis of Jovian Decametric Data: Study of Radio Emission Mechanisms.
N85-33846/5 **26**-*560,090* PC **A02**/MF **A01**

RADIO EQUIPMENT

Dyna-Metric Analysis of the ROK (Republic of Korea) Air Force Maintenance Radio Requirement.
AD-A147 254/7 **03**-*506,851* PC **A04**/MF **A01**

Review and Evaluation of Plans to Incorporate NAVSTAR Global Positioning System User Equipment on Military Sealift Command Ships.
AD-A153 799/2 **16**-*536,537* PC **A08**/MF **A01**

Corps Communications for the Airland Battle.
AD-A154 655/5 **18**-*541,387* PC **A09**/MF **A01**

Analysis of the Materiel Fielding Plan for the SINCGARS (Single Channel Ground and Airborne Radio System) Radio.
AD-A155 101/9 **19**-*543,735* PC **A05**/MF **A01**

Measurement and Evaluation Studies of Packet Radio Telecommunications Systems.
AD-A157 696/6 **24**-*556,200* PC **A21**/MF **A01**

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AD-P004 623/5 **17**-*537,999* PC **A03**/MF **A01**

Signal Hill Solar-Powered Repeater Report and Recommendations.
DE85000487 **04**-*509,930* PC **A03**/MF **A01**

Effects of a Subminiature Radiocollar on Activity of Free-Living White-Footed Mice.
DE85009282 **15**-*533,192* PC **A02**/MF **A01**

Nuclear Electromagnetic Pulse (EMP) Protection Manual for Emergency Broadcast Radio Stations and Emergency Operations Centers.
DE85013548 **22**-*550,930* PC **A21**/MF **A01**

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DE85014841 **24**-*556,317* PC **A02**/MF **A01**

RADIO FREQUENCIES

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N85-25685/7 **18**-*541,405* PC **A03**/MF **A01**

Automated Testing of Developmental Satellite Communications Systems and Subsystems.
N85-31348/4 **23**-*553,767* PC **A02**/MF **A01**

Precision Tunable Resonant Microwave Cavity.
PAT-APPL-6-700 255 **13**-*530,579* PC **A02**/MF **A01**

Tone Calibrated Digital Radio Communication System.
PAT-APPL-6-727 719 **22**-*550,934* PC **A02**/MF **A01**

Frequency Allocation : Mobile Radio and Radiocommunications. 1975-November, 1984 (Citations from the INSPEC: Information Services for the Physics and Engineering Communities Data Base).
PB85-850659 **01**-*502,100* PC **N01**/MF **N01**

RADIO FREQUENCY DISCHARGE

Microwave Discharge in a Supersonic Flow for the Excitation of a Gas Dynamic CO Laser.
N85-18337/4 **12**-*527,942* PC **A07**/MF **A01**

RADIO FREQUENCY HEATING

Impurity Origin During ICRF Heating in Jipp T-liu Tokamak.
N84-34271/6 **01**-*502,567* PC **A03**/MF **A01**

High Frequency Plasma Generator for Ion Thrusters.
N85-17023/1 **11**-*525,678* PC **A04**/MF **A01**

Proceedings on US-Japan Workshop on Tokamak Diagnostics by X-Ray, Vuv and Optical Radiations.
N85-18719/3 **12**-*528,053* PC **A07**/MF **A01**

Observations of Bulk Electron Heating Due to Return Current in a Tokamak Discharge Started Up by Lower Hybrid Waves.
N85-22172/9 **14**-*532,676* PC **A02**/MF **A01**

Electron-Cyclotron Maser Emission during Solar and Stellar Flares.
N85-28907/2 **20**-*544,575* PC **A02**/MF **A01**

RADIO FREQUENCY INTERFERENCE

Radio Spectrum Conservation Technique.
N84-33653/6 **01**-*502,088* PC **A03**/MF **A01**

Schutzabstandsmessungen Zwischen Rundfunkdienst und Flugnavigationsfunk Dienst (Measurement of Signal Separation between Radio Service and Air Navigation Service).
N85-16860/7 **11**-*524,875* PC **A02**/MF **A01**

FH/MFSK Performance in Multitone Jamming.
N85-24197/4 **17**-*538,802* PC **A04**/MF **A01**

RADIO GALAXIES

IRAS Galaxy 0421 + 040P06: An Active Spiral Galaxy with Extended Radio Lobes.
N85-15536/4 **09**-*518,433* PC **A03**/MF **A01**

RADIO INTERFERENCE

Large-Amplitude Electric Field Fluctuations Near the Harang Discontinuity.
AD-A156 891/4 **22**-*549,406* PC **A02**/MF **A01**

RADIO INTERFEROMETRY

Research in Geodesy Based Upon Radio Interferometric Observations of Extragalactic Radio Sources.
AD-A147 581/3 **03**-*505,951* PC **A03**/MF **A01**

Accurate Baseline Determination by Radio Interferometry on NAVSTAR GPS Satellite Transmissions.
AD-A150 681/5 **11**-*524,920* PC **A06**/MF **A01**

Precision and Accuracy of Intercontinental Distance Determinations Using Radio Interferometry.
AD-A150 923/1 **11**-*524,091* PC **A19**/MF **A01**

RADIO LINKS

Radio Telemetry Formula Applications. A Practical Users Guide.
AD-A146 247/2 **01**-*502,079* PC **A03**/MF **A01**

Improvement of VHF(MB) Model.
AD-A150 087/5 **09**-*519,866* PC **A05**/MF **A01**

Mobile Television Radio Link--Translation.
AD-A152 381/0 **14**-*532,377* PC **A02**/MF **A01**

Ray Trace Program for Line-of-Sight Microwave Communication Links.
AD-A156 168/7 **21**-*548,782* PC **A02**/MF **A01**

Digital Radiolaenk: Vagutbrednings-Maetningar med Smalbandsteknik (Digital Radio Link: Wave Propagation Measurements Using Narrow Band Technique),
PB85-104248 **02**-*504,568* PC **E04**/MF **E01**

Digital Radiolaenk: Metod och Maetsystem foer Studium av Radiokanalen vid Frekvensselektiv Faedning (Digital Radio Link: A Method and Measuring System Designed for a Study of the Radiochannel during Frequency Selective Fading),
PB85-210490 **19**-*543,779* PC **E04**/MF **E01**

Microwave Link Design. 1975-August 1985 (Citations from the INSPEC: Information Services for the Physics and Engineering Communities Data Base).
PB85-866895 **21**-*548,799* PC **N01**/MF **N01**

RADIO METEOROLOGY

Prospective Investigations with Dfvlr Radar of Possible Relevance in the Assessment of Radio Interference Due to Scattering from Precipitations.
N85-21485/6 **14**-*530,936* PC **A04**/MF **A01**

RADIO NAVIGATION

Federal Radionavigation Plan.
AD-A151 295/3 **12**-*527,666* PC **A09**/MF **A01**

Schutzabstandsmessungen Zwischen Rundfunkdienst und Flugnavigationsfunk Dienst (Measurement of Signal Separation between Radio Service and Air Navigation Service).
N85-16860/7 **11**-*524,875* PC **A02**/MF **A01**

Evaluation of Radio Navigation Systems and Their Configuration with Respect to Minimum Cost.
N85-31043/1 **23**-*553,805* PC **A03**/MF **A01**

RADIO OCCULTATION

Radio Scintillations Observed During Atmospheric Occultations of Voyager: Internal Gravity Waves at Titan and Magnetic Field Orientations at Jupiter and Saturn.
N85-22327/9 **14**-*530,884* PC **A06**/MF **A01**

RADIO OPERATORS

Commercial Master File.
PB85-919200 **11**-*524,894* Standing Order

Commercial Master File Supplement.
PB85-947200 **11**-*524,908* Standing Order

Amateur Master File Supplement.
PB85-947400 **11**-*524,910* Standing Order

RADIO PROBING

Method and Apparatus for Calibrating the Ionosphere and Application to Surveillance of Geophysical Events.
PATENT-4 463 357 **15**-*532,990* Not available NTIS

RADIO RECEIVERS

Testing of a Field Portable GPS (Global Positioning System) Geodetic Receiver.
AD-A148 336/1 **05**-*511,366* PC **A02**/MF **A01**

Superconducting Quasiparticle Mixers for Moderate Power Levels Using Refractory Metals.
AD-A953 999/0 **11**-*524,874* PC **A02**/MF **A01**

Navstar Global Positioning System (GPS) Receiver Development Program, Phase 1.
N85-31085/2 **23**-*553,806* PC **A05**/MF **A01**

Etude d'UN Recepteur a Etalement de Spectre a Faible Debit (Study of a Low Rate Spread Spectrum Receiver).
N85-31354/2 **23**-*553,770* PC **A09**/MF **A01**

Digital Coherent Detector.
PATENT-4 468 794 **10**-*522,007* Not available NTIS

Characteristics of a Mobile FM Receiver Using Switching Diversity,
PB85-136067 **06**-*513,980*
(Order as PB85-136042, PC **E05**/MF **E01**)

Short-wave Radio Receivers. 1975-February 1985 (Citations from the INSPEC: Information Services for the Physics and Engineering Communities Data Base).
PB85-855286 **07**-*515,297* PC **N01**/MF **N01**

RADIO RECEPTION

Receiver Optimization for Detection in Doubly Spread Communication Channels.
AD-A151 226/8 **12**-*527,640* PC **A06**/MF **A01**

RADIO RELAY SYSTEMS

Satellite Digital Communication Systems. 1970-June 1985 (Citations from the Engineering Index Data Base).
PB85-861920 **16**-*536,529* PC **N01**/MF **N01**

Communication Satellites. August 1983-November 1985 (Citations from the NTIS Data Base).
PB85-871556 **26**-*562,075* PC **N01**/MF **N01**

RADIO SIGNALS

Tropospheric and Ionospheric Phase Perturbations and Doppler Frequency Shift Effects,
AD-A148 579/6 **05**-*512,149* PC **A04**/MF **A01**

Fin Whale (Balaenoptera physalus) Tracked by Radio in the Irminger Sea.
AD-A154 123/4 **17**-*537,749* PC **A02**/MF **A01**

RADIO SOURCES (ASTRONOMY)

Catalogue of the Discrete Sources in the Declination Range from -13 Deg to -2 Deg.
N85-10887/6 **03**-*505,378* PC **A04**/MF **A01**

RADIO SPECTRA

Radio Spectrum Conservation Technique.
N84-33653/6 **01**-*502,088* PC **A03**/MF **A01**

RADIO STATIONS

FCC Broadcast FM Data Base (for Microcomputers).
PB85-212108 **17**-*538,798* CP **T99**

Common Carrier Land Mobile Base Station Cumulative Staff Study (for Microcomputers).
PB85-212116 **17**-*538,799* CP **T99**

Master Frequency File - Complete.
PB85-215473 **20**-*546,024* CP **T99**

Master Frequency File Subset 1 - Broadcast Services.
PB85-215481 **20**-*546,025* CP **T15**

Master Frequency File Subset 9 - Private Radio Services: Industrial Business.
PB85-215499 **20**-*546,026* CP **T99**

Master Frequency File Subset 11 - Aviation Ground and Marine Radio Services.
PB85-215507 **20**-*546,027* CP **T03**

Master Frequency File Subset 7 - Private Radio Services: Industrial Services (Except Industrial Business).
PB85-215515 **20**-*546,028* CP **T99**

Master Frequency File Subset 6 - Private Radio Services: Land Mobile.
PB85-215523 **20**-*546,029* CP **T05**

Master Frequency File Subset 5 - Microwave Services: Private, Cable and Common Carrier.
PB85-215531 **20**-*546,030* CP **T17**

Master Frequency File Subset 8 - Private Radio Services: Public Safety and Land Transportation.
PB85-215549 **20**-*546,031* CP **T99**

Master Frequency File Subset 2 - Common Carrier Services (Except Land Mobile and Microwave).
PB85-215556 **20**-*546,032* CP **T05**

Master Frequency File Subset 3 - Common Carrier Services: Land Mobile.
PB85-215564 **20**-*546,033* CP **T05**

Master Frequency File Subset 4 - Experimental Services (Office of Science and Technology).
PB85-215572 **20**-*546,034* CP **T04**

Master Frequency File Subset 10 - Private Radio Services: Specialized Mobile Radio.
PB85-215598 **20**-*546,035* CP **T99**

FM Engineering Data Base in Order by State.
PB85-912700 **11**-*524,889* Standing Order

FM Engineering Data Base in Order by Frequency.
PB85-913000 **11**-*524,890* Standing Order

Common Carrier Land Mobile Base Stations: Cumulative Staff Study Listing.
PB85-915200 **11**-*524,891* Standing Order

Final Citizens Master File (Callsign Sequence).
PB85-919000 **11**-*524,892* Standing Order

Amateur Master File.
PB85-919100 **11**-*524,893* Standing Order

Marine Radio Station Master File.
PB85-919800 **11**-*524,896* Standing Order

Aviation Master File.
PB85-919900 **11**-*524,897* Standing Order

Amateur Master File Supplement.
PB85-947300 **11**-*524,909* Standing Order

O TELEMETRY

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DE85012263 **22**-*549,798* PC **A02**/MF **A01**

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DE85700586 **19**-*542,729* PC **A02**/MF **A01**

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DE85780172 **10**-*521,496* PC **A03**/MF **A01**

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DE85780320 **15**-*533,280* PC **A06**/MF **A01**

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DE85780511 **15**-*533,578* PC **A02**/MF **A01**

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DE85780512 **15**-*533,454* PC **A02**/MF **A01**

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DE84703409 **15**-*533,348* PC **A02**/MF **A01**

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DE85010967 **19**-*543,818* PC **A02**/MF **A01**

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AD-A148 201/7 **05**-*511,115* PC **A02**/MF **A01**

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AD-A148 648/9 **06**-*513,166* PC **A03**/MF **A01**

Synthesis of New Prophylactic Antiradiation Drugs.
AD-A148 649/7 **06**-*513,167* PC **A03**/MF **A01**

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AD-A149 658/7 **09**-*518,761* PC **A04**/MF **A01**

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AD-A150 413/3 **10**-*521,617* PC **A02**/MF **A01**

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AD-A153 861/0 **16**-*535,760* Not available NTIS

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AD-A153 865/1 **16**-*535,761* Not available NTIS

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PB85-117273 **03**-*505,756* PC **E04**/MF **E04**

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PB85-212439 **19**-*542,856* PC **E07**/MF **E07**

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PB85-247195 **26**-*560,464* PC **E03**/MF **E03**

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DE85751190 **25**-*557,820* PC **A07**/MF **A01**

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N85-16409/3 **10**-*521,091* PC **A02**/MF **A01**

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N85-21246/2 **14**-*530,935* PC **A02**/MF **A01**

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AD-A149 115/8 **08**-*516,287* PC **A02**/MF **A01**

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AD-A154 634/0 **18**-*540,254* PC **A05**/MF **A01**

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DE85004278 **09**-*518,643* PC **A02**/MF **A01**

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DE85007953 **20**-*544,786* PC **A02**/MF **A01**

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DE85011204 **19**-*542,552* PC **A02**/MF **A01**

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DE85012263 **22**-*549,798* PC **A02**/MF **A01**

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DE85780336 **15**-*533,283* PC **A05**/MF **A01**

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DE85780583 **15**-*533,308* PC **A04**/MF **A01**

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PAT-APPL-6-605 439 **21**-*547,534* PC **A02**/MF **A01**

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PB85-129609 **04**-*508,576*
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PB85-939000 **09**-*518,720* Subscription

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DE85000665 **09**-*519,985* PC **A02**/MF **A01**

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DE85003718 **08**-*517,558* PC **A06**/MF **A01**

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DE85004955 **11**-*525,107* PC **A04**/MF **A01**

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PB85-165777 **12**-*527,281* PC **A04**/MF **A01**

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PB85-225548 **22**-*550,673* Not available NTIS

RADIUM 224

Long-Term Retention of Radium in Female Former Dial Workers.
DE85000227 **09**-*518,741* PC **A02**/MF **A01**

U, Th, and Ra Concentrations in Brines from Four Deep Wells in the Palo Duro Basin, Texas: Unanalyzed Data.
DE85006906 **12**-*527,820* PC **A02**/MF **A01**

Metabolism of Ingested Uranium and Radium.
DE85009702 **18**-*540,196* PC **A05**

RADIUM 226

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DE84702011 **01**-*502,232* PC **A03**/MF **A01**

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DE84702665 **01**-*500,851* PC **A03**/MF **A01**

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DE84703170 **08**-*517,502* PC **A02**/MF **A01**

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DE84703250 **20**-*546,291* PC **A03**/MF **A01**

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DE85000010 **06**-*514,010* PC **A04**/MF **A01**

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DE85000073 **04**-*510,089* PC **A04**/MF **A01**

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DE85000792 **04**-*510,094* PC **A05**/MF **A01**

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DE85002150 **06**-*513,133* PC **A02**/MF **A01**

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DE85002529 **08**-*517,580* PC **A06**/MF **A01**

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DE85005054 **11**-*525,186* PC **A02**/MF **A01**

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DE85006906 **12**-*527,820* PC **A02**/MF **A01**

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DE85007269 **13**-*530,168* PC **A08**/MF **A01**

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DE85009702 **18**-*540,196* PC **A05**

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DE85010613 **18**-*541,576* PC **A06**/MF **A01**

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DE85013043 **22**-*549,929* PC **A02**/MF **A01**

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DE85017612 **26**-*561,470* PC **A04**/MF **A01**

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DE85700597 **19**-*542,634* PC **A02**/MF **A01**

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DE85700604 **18**-*541,560* PC **A02**/MF **A01**

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DE85901063 **14**-*532,484* PC **A03**/MF **A01**

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DE84703170 **08**-*517,502* PC **A02**/MF **A01**

Isotopic Studies of the Natural Sources of Radium in Groundwater in Illinois. Final Technical Completion Report.
DE85000073 **04**-*510,089* PC **A04**/MF **A01**

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DE85002150 **06**-*513,133* PC **A02**/MF **A01**

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DE85006906 **12**-*527,820* PC **A02**/MF **A01**

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DE85009702 **18**-*540,196* PC **A05**

RADIUM ISOTOPES

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DE85001671 **06**-*514,164* PC **A02**/MF **A01**

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DE85001864 **04**-*510,300* PC **A02**/MF **A01**

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AD-A155 736/2 **19**-*544,035* PC **A02**/MF **A01**

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Comparison of RAM (Regional Air Monitor) Model
mates with 1976 St. Louis RAPS (Regional Air Pollu
Study) Measurements of Sulfur Dioxide.
PB85-225639 **22**-*550,675* PC **A02**/MF

RAMAN ANTISTOKES COHERENT DIFFUSION TECHNIQUES

Application de la Methode DRASC sur Foyer SNECMA
plication of DRASC Method on SNECMA Centers).
PB85-172393 **12**-*528,115* PC **E04**/MF

RAMAN EFFECT

Time-Resolved Resonant Raman Scattering and Hot L
nescence at the 1S Ortho-Exciton in Cu sub 2 O.
DE85002071 **04**-*510,395* PC **A02**/MF

Nonlinear Saturation of Stimulated Raman Scattering in
mogeneous Plasma.
DE85003120 **08**-*518,043* PC **A03**/MF

RAMAN LASERS

Manual for Raman Cells.
N85-10342/2 **03**-*507,328* PC **A03**/MF

RAMAN MICROPROBE SPECTROSCOPY

Raman Microprobe Spectroscopy.
PB85-195949 **17**-*538,729* Not available

RAMAN SCATTERING

Enhanced Raman Scattering from Silicon Microstructures.
AD-A147 819/7 **04**-*510,225* PC **A02**/MF **A01**

Stimulated Raman Scattering from Individual Water and Ethanol Droplets at Morphology-Dependent Resonances.
AD-A153 177/1 **15**-*533,521* Not available NTIS

RAMAN SIDESCATTERING

Raman Sidescattering in Laser-Produced Plasmas.
AD-A148 905/3 **07**-*515,569* PC **A02**/MF **A01**

RAMAN SPECTRA

Raman Scattering from Metastable (GaSb)1-xGe2x Alloys,
AD-A145 897/5 **01**-*500,972* PC **A02**/MF **A01**

Folded Acoustic and Quantized Optic Phonons in Semiconductor Superlattices,
AD-A145 935/3 **01**-*502,351* PC **A04**/MF **A01**

The Metal Cation Effect on the SERS (Surface Enhanced Raman Scattering) of Interfacial D2O and H2O.
AD-A146 336/3 **01**-*501,015* Not available NTIS

Raman Scattering from Crystalline and Amorphous (GaSb) Sub 1-xGex Semiconducting Films.
AD-A146 482/5 **01**-*502,620* PC **A02**/MF **A01**

Laser Annealing of Ion Implanted Semiconductors.
AD-A146 979/0 **02**-*505,089* PC **A05**/MF **A01**

Stimulated Raman Scattering from Individual Water and Ethanol Droplets at Morphology-Dependent Resonances.
AD-A153 177/1 **15**-*533,521* Not available NTIS

Raman Scattering Studies in Solids.
AD-A155 528/3 **19**-*544,285* PC **A02**/MF **A01**

Raman Scattering Studies of Donor Transitions in Semiconductor Quantum-Well Structures.
AD-A155 917/8 **21**-*549,145* PC **A02**/MF **A01**

Coherent Anti-Stokes Raman Scattering in Thin-Film Dielectric Waveguides.
AD-A156 426/9 **21**-*549,056* PC **A02**/MF **A01**

Polarized Raman Scattering in Rare-Earth Fluoride Glasses.
AD-A157 265/0 **23**-*552,484* PC **A02**/MF **A01**

Elastic and Inelastic Light Scattering of Colloidal Particles.
AD-A157 335/1 **23**-*552,490* PC **A02**/MF **A01**

Subnanosecond Short Wavelength Generation Using Optical Fibers.
AD-A158 769/0 **25**-*559,438* PC **A02**/MF **A01**

Observation of Standing Spinwaves in Thin Fe-Films by Means of Raman Spectroscopy.
DE85003036 **08**-*518,154* PC **A02**/MF **A01**

Time-Resolved Spectroscopic Studies of Detonating Heterogeneous Explosives.
DE85009760 **20**-*546,467* PC **A03**/MF **A01**

Applications of Spontaneous Laser Raman Spectroscopy in the Nuclear Fuel Cycle.
DE85751531 **20**-*544,985* PC **A03**/MF **A01**

Teoria Do Laser de Eletrons Livres (The Theory of Free Electron Lasers).
N84-33790/6 **01**-*502,396* PC **A08**/MF **A01**

Resonant Coherent Anti-Stokes Raman Scattering.
N85-25466/2 **18**-*540,350* PC **A10**/MF **A01**

Application de la Methode DRASC sur Foyer Snecma (Application of the Diffusion Raman Anti-Stokes Coherent (DRASC) Method to a Snecma Combustion Chamber).
N85-31260/1 **23**-*552,521* PC **A03**/MF **A01**

Mesures de Vitesse et de Concentration dans les Jets Libres (Measurement of Velocity and Concentration in Free Jets).
N85-33451/4 **26**-*561,700* PC **A03**/MF **A01**

Coherent Anti-Stokes Raman Spectroscopy of Polycyclic Aromatic Hydrocarbons.
PB85-177830 **14**-*531,520* Not available NTIS

Surface Raman Scattering from Effervescent Magnetic Peroxyborates.
PB85-205771 **19**-*542,833* Not available NTIS

Raman Spectra of LiYF4 Crystal,
PB85-206647
19-*544,027*
(Order as PB85-206324, PC **A13**/MF **A01**)

RAMAN SPECTROSCOPY

Raman and Fluorescence Spectroscopy in a Methane-Nitrous Oxide Laminar Flame.
AD-A146 092/2 **01**-*502,651* PC **A03**/MF **A01**

Surface Enhanced Raman Scattering and Second-Harmonic Generation from CN- Complexes and SO2- sub 4 on Ag Electrodes during Oxidation-Reduction Cycles.
AD-A147 590/4 **03**-*505,849* Not available NTIS

Characterization of Thermally Treated Gallium Arsenide by Laser-Raman and Auger Spectroscopy.
AD-A148 414/6 **05**-*512,391* PC **A03**/MF **A01**

Wavelength Dependence of Surface-Enhanced Raman Scattering from Ag Colloids with Adsorbed CN(-) Complexes, SO3(--), and Pyridine.
AD-A149 973/0 **09**-*518,839* Not available NTIS

Effect of Xe Underlayers on the Surface Enhanced Raman Scattering of Pyridine on Cold Silver.
AD-A150 109/7 **09**-*518,850* PC **A02**/MF **A01**

Comment on Enhanced Raman Scattering from Adsorbates on Semiconductor Surfaces.
AD-A151 305/0 **12**-*528,081* Not available NTIS

Raman Studies of Surface Temperature in Laser-Heated Semiconductors.
AD-A151 377/9 **12**-*528,082* PC **A02**/MF **A01**

Determination of Third-Order Nonlinear Susceptibility Chi(3) through Measurements in the Picosecond Time Domain,
AD-A151 592/3 **12**-*528,086* Not available NTIS

Measurement of the Linewidths of Hydrogen Fluoride Q-Transitions Using Coherent Anti-Stokes Raman Spectroscopy.
AD-A151 703/6 **13**-*528,937* PC **A06**/MF **A01**

Linewidth and Bandwidth Measurements of the Q-Branch of H2 Using CW Coherent Anti-Stokes Raman Spectroscopy.
AD-A151 868/7 **13**-*528,946* PC **A05**/MF **A01**

Time Resolved Resonance Raman Conference Royal Institution, London United Kingdom,
AD-A152 685/4 **14**-*531,476* PC **A02**/MF **A01**

Light Scattering and Spectroscopic Studies of Polymerization Processes.
AD-A153 407/2 **16**-*535,802* PC **A03**/MF **A01**

Basic Study to Assess the Potential Usefulness of Resonance Raman Spectroscopy as a Means of Rapidly Detecting and Identifying Bacteria and other Microorganisms.
AD-A153 549/1 **16**-*535,736* PC **A02**/MF **A01**

Raman Measurements of Stress in Silicon-on-Sapphire Device Structures.
AD-A153 818/0 **16**-*535,970* PC **A02**/MF **A01**

Resonant CARS Detection of OH Radicals.
AD-A153 842/0 **16**-*535,830* PC **A03**/MF **A01**

Practical Evaluation and Fundamental Studies of Surface-Enhanced Raman Spectroscopy for Monitoring Organic Chemicals. Annual Report for the Period Ending December 31, 1984.
DE85008687 **15**-*535,180* PC **A05**/MF **A01**

Recent Advances in Optical Measurement Methods in Physics and Chemistry.
DE85008695 **15**-*534,374* PC **A02**/MF **A01**

Ionization Detection of Stimulated Raman Spectra.
DE85010672 **19**-*542,789* PC **A02**/MF **A01**

Ionization-Raman Double-Resonance Spectroscopy.
DE85013774 **24**-*555,305* PC **A02**/MF **A01**

Spontaneous Raman Spectroscopy of Shocked H sub 2 O.
DE85014557 **24**-*555,313* PC **A02**/MF **A01**

Fully Resonant Four-Wave Mixing Spectroscopy of Pentacene and Dye Molecules in Condensed Phases.
DE85015563 **25**-*557,969* PC **A09**/MF **A01**

Raman Structural Studies of the Nickel Electrode.
N85-23414/4 **15**-*533,583* PC **A03**/MF **A01**

Resonant Coherent Anti-Stokes Raman Scattering.
N85-25466/2 **18**-*540,350* PC **A10**/MF **A01**

Picosecond Broadband CARS (Coherent Antistokes Raman Spectroscopy) Probe Using the Picosecond Continuum.
PATENT-4 512 660 **24**-*555,340* Not available NTIS

Synthesis and Structure of a Tetrahydrotetrathiafulvalene-Mercuric Chloride Complex, (H4TTF) (HgCl2)3.
PB85-110161 **02**-*503,611* Not available NTIS

Temperature Profiles of Inhibited Flames Using Raman-Spectroscopy.
PB85-120772 **04**-*510,420* Not available NTIS

Collisional Narrowing Effects in the Raman Q-Branch Spectral Profiles of N2, CO, and NO.
PB85-124428 **04**-*508,863* Not available NTIS

Distribution of Straight-Chain Lengths in Unannealed and Annealed Solution-Crystallized Polyethylene by Raman Spectroscopy.
PB85-145290 **06**-*513,309* Not available NTIS

In situ Monitoring of Electrochemical Reactions by Surface Enhanced Raman Scattering.
PB85-149789 **06**-*513,333* PC **A02**/MF **A01**

Etude des Proprietes Spectrales des Gaz Chauds (Study of the Spectral Properties of Hot Gases).
PB85-156461 **10**-*521,743* PC **E04**/MF **E04**

Application de la Methode DRASC sur Foyer SNECMA (Application of DRASC Method on SNECMA Centers).
PB85-172393 **12**-*528,115* PC **E04**/MF **E04**

Barriers to Internal Rotation in Inorganic Species.
PB85-182863 **15**-*533,593* Not available NTIS

Automation of the NBS (National Bureau of Standards) Laser-Raman Microprobe.
PB85-183531 **15**-*534,406* Not available NTIS

Raman and X-Ray Investigations of Ice 7 to 36.0 GPa.
PB85-187771 **15**-*533,628* Not available NTIS

Raman Microprobe Spectroscopy.
PB85-195949 **17**-*538,729* Not available NTIS

Studies of Calcified Tissues by Raman Microprobe Analysis.
PB85-196145 **17**-*537,509* Not available NTIS

High Resolution Raman Spectroscopy of Gases with a Fourier Transform Spectrometer.
PB85-201846 **18**-*541,352* Not available NTIS

New Spectrograph with a Multichannel Optical Detector for the Raman Characterization of Microparticles.
PB85-201994 **18**-*541,354* Not available NTIS

Rotational Collisional Narrowing in the NO Fundamental Q Branch, Studied with cw Stimulated Raman Spectroscopy.
PB85-202737 **18**-*540,382* Not available NTIS

Micro-Raman Study of Laser-Induced Damage,
PB85-206829
19-*544,079*
(Order as PB85-206324, PC **A13**/MF **A01**)

Ajustement de Fonction de Correlation Vibrationnelle et Rotationnelle (Adjustment of the Vibrational and Rotational Correlation Function).
PB85-212447 **19**-*542,857* PC **E03**/MF **E03**

Quantitative Analysis of Aqueous Species Using Raman Spectrometry and Equilibrium Model Calculations.
PB85-232304 **23**-*552,565* Not available NTIS

RAMJET COMBUSTORS

Multi-Ducted Inlet Combustor Research and Development.
AD-A153 753/9 **16**-*536,981* PC **A03**/MF **A01**

RAMJET ENGINES

Mechanisms of Exciting Pressure Oscillations in Ramjet Engines.
AD-A147 818/9 **04**-*510,521* PC **A02**/MF **A01**

Combustion in High Speed Air Flows.
AD-A148 371/8 **05**-*512,539* PC **A06**/MF **A01**

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AD-A150 981/9 **11**-*525,660* Not available NTIS

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AD-A154 081/4 **17**-*539,626* PC **A11**/MF **A01**

Nonlinear Interactions between Vortices and Acoustic Waves in a Rocket Combustion Chamber,
AD-P004 526/0 **15**-*535,275* PC **A02**/MF **A01**

Comparison of Combustion Efficiencies for Ramjet Engines.
N84-33411/9 **01**-*502,742* PC **A02**/MF **A01**

Ramjet and Ramrocket Propulsion Systems for Missiles.
N85-15809/5 **10**-*523,202* PC **A11**/MF **A01**

Study of HTPB-Based SOFRAM Fuels.
N85-20150/7 **14**-*532,856* PC **A04**/MF **A01**

Solid Fuel Combustion Chamber Research in the Netherlands.
N85-26920/7 **19**-*544,334* PC **A03**/MF **A01**

Carbon/Carbon Combustor External Insulation.
PAT-APPL-6-724 719 **20**-*546,017* PC **A02**/MF **A01**

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PB85-146223 **08**-*518,281* PC **E04**/MF **E01**

RAMJET INLETS

Submerged Ram Air Inlets for ECM (Electronic Countermeasures) Pods.
PAT-APPL-6-749 333 **23**-*553,789* PC **A02**/MF **A01**

RAMP CONTROL

Effectiveness of Priority Entry Ramps in Texas.
PB85-174621 **14**-*532,061* PC **A03**/MF **A01**

Operational and Safety Analysis of Two-Way and One-Way Frontage Roads.
PB85-174647 **14**-*532,062* PC **A07**/MF **A01**

Segmentwide Traffic Responsive Freeway Entry Control: Freeway Corridor Modeling, Control Strategy, and Implementation Plan.
PB85-188118 **15**-*534,218* PC **A09**/MF **A01**

RAMPS

Dynamics of Airfield Parking Congestion during APOD (Aerial Port of Debarkation).
AD-A155 778/4 **21**-*547,223* PC **A08**/MF **A01**

Terrestrial and Marine Archaeological Survey of the Proposed Castle Street Boat Ramp on the Cape Fear River, Wilmington, New Hanover County, North Carolina,
AD-A156 273/5 **21**-*547,391* PC **A04**/MF **A01**

RAMS (PUMPS)

Machine for Mixing and Injecting Water and Grout into a Roof Bolt Hole.
PATENT-4 497 578 **12**-*526,846* Not available NTIS

Hydrams: A Training Manual in Conducting a Workshop in the Design, Construction, Operation, Maintenance and Repair of Hydrams.
PB85-241859 **25**-*557,530* PC **A16**/MF **A01**

RANA CATESBEIANA

Ecology and Management of the Bullfrog,
PB85-186187 **16**-*535,673* PC **A03**/MF **A01**

RANCHO SECO-1 REACTOR

Axial Blanket Fuel Design and Demonstration. Fifth Progress Report, April 1983-March 1984.
DE85007210 **14**-*532,526* PC **A03**/MF **A01**

RAND HEALTH INSURANCE STUDY

Cost Sharing for Medical Care Services,
AD-A152 816/5 **15**-*533,243* PC **A02**/MF **A01**

RANDOLPH AIR FORCE BASE

Installation Restoration Program. Phase 1. Records Search, Randolph AFB, Texas.
AD-A152 521/1 **14**-*532,014* PC **A10**/MF **A01**

RANDOM ACCESS COMPUTER STORAGE

Random Access Memory Technologies.
AD-A153 089/8 **15**-*533,806* PC **A03**/MF **A01**

Plastic Package 256K-Bit Dynamic MOS RAM,
PB85-105120
03-*506,128*
(Order as PB85-105112, PC **E05**/MF **E01**)

Mixed MOS 64K-Bit Static RAM,
PB85-105138
03-*506,129*
(Order as PB85-105112, PC **E05**/MF **E01**)

Static Random Access Memories. 1974-November, 1984 (Citations from the Engineering Index Data Base).
PB85-850634 **01**-*501,345* PC **N01**/MF **N01**

Semiconductor Random Access Memories: Integrated Circuit Testing and Reliability. 1975-February 1985 (Citations from the INSPEC: Information Services for the Physics and Engineering Communities Data Base).
PB85-855260 **07**-*514,843* PC **N01**/MF **N01**

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PB85-855294 **07**-*514,844* PC **N01**/MF **N01**

Dynamic Random Access Memories. 1972-August 1985 (Citations from the Engineering Index Data Base).
PB85-866689 **21**-*547,987* PC **N01**/MF **N01**

RANDOM ACCESS MEMORY

Circuit Approaches to Increasing SRAM Performance in Total Dose Environments.
DE85009441 **20**-*545,199* PC **A02**/MF **A01**

Analysis of Transient Radiation Upset in a 16K SRAM.
DE85009442 **20**-*545,200* PC **A02**/MF **A01**

Unidade de Armazenamento Emdisco Flexivel (Flexible Disk Data Storage Unit).
N84-34181/7 **01**-*501,332* PC **A04**/MF **A01**

One-M bit CMOS Dynamic RAM,
PB85-226082
21-*547,976*
(Order as PB85-226074, PC **E05**/MF **E01**)

One-M bit NMOS Dynamic RAM,
PB85-226090
21-*547,977*
(Order as PB85-226074, PC **E05**/MF **E01**)

256-K bit Dynamic RAM,
PB85-226124
21-*547,980*
(Order as PB85-226074, PC **E05**/MF **E01**)

Design and Application of 64-K bit Static RAM,
PB85-226132
21-*547,981*
(Order as PB85-226074, PC **E05**/MF **E01**)

High-Speed Static 16/64-K bit RAM Series,
PB85-226140
21-*547,982*
(Order as PB85-226074, PC **E05**/MF **E01**)

CMOS Gate Array with RAMs,
PB85-226157
22-*550,259*
(Order as PB85-226074, PC **E05**/MF **E01**)

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Dynamic Random Access Memories. 1972-August 1985 (Citations from the Engineering Index Data Base).
PB85-866689 **21**-*547,987* PC **N01**/MF **N01**

RANDOM CENSORSHIP

Nonparametric Estimation from Accelerated Life Tests with Random Censorship.
AD-A150 808/4 **11**-*524,528* PC **A02**/MF **A01**

RANDOM CHOICE METHOD

Random Choice Method - Some Numerical Experiments,
PB85-180347 **14**-*531,605* PC **E05**/MF **E05**

RANDOM FIBER COMPOSITES

Dynamic Tensile Response of Unidirectionally-Reinforced Carbon Epoxy and Glass Epoxy Composites,
PB85-229524 **23**-*553,148* PC **E03**/MF **E03**

RANDOM FUNCTIONS

Random Systems of Particles: An Approach to Polydisperse Systems.
PB85-137503 **05**-*511,293* Not available NTIS

RANDOM GRAPHS

Matchings and Hamiltonian Cycles in Random Graphs.
AD-A151 015/5 **11**-*524,537* PC **A03**/MF **A01**

RANDOM NOISE

Measurement of Damping of Graphite Expoxy Materials.
N85-26925/6 **19**-*543,190* PC **A02**/MF **A01**

Modulation a Quatre Etats de Phase. Etude Theorique de la Degradation Entrainee Par Une Modulation Parasite de Phase (Modulation Using Four Phase Levels. Theoretical Study of the Degradation Caused by a Spurious Phase Modulation).
N85-31360/9 **23**-*553,775* PC **A03**/MF **A01**

Deterministic and Random Phase Noise of Oscillators.
N85-31415/1 **23**-*552,879* PC **A03**/MF **A01**

Separation Between Deterministic Response and Random Fluctuations by Means of the Cross-Power Spectrum in the Study of Electrochemical Noise.
PB85-108561 **02**-*504,496* Not available NTIS

Uncorrelated Noise in Turbulence Measurements.
PB85-212314 **19**-*542,294* PC **A04**/MF **A01**

RANDOM NUMBER GENERATORS

COSAGE (Concepts Analysis Agency's Combat Sample Generator) Analysis and Design Report. Volume 3. Appendices.
AD-A148 350/2 **05**-*511,481* PC **A21**/MF **A01**

Generating Positively Correlated Random Variables from a Sequence of Independent Random Variables with Symmetric Logarithmically Concave Densities.
AD-A148 438/5 **05**-*511,750* PC **A02**/MF **A01**

Efficient Parallel Pseudo-Random Number Generation.
AD-A152 235/8 **13**-*529,556* PC **A02**/MF **A01**

Probabilistic Algorithms in Group Theory.
AD-A152 253/1 **13**-*529,558* PC **A03**/MF **A01**

Quickly Tested Pascal Random Number Generator for Microcomputers.
AD-A156 059/8 **21**-*547,936* PC **A04**/MF **A01**

RANDOM NUMBERS

Random and Pseudorandom Number Generation. 1975-June 1985 (Citations from the INSPEC: Information Services for the Physics and Engineering Communities Data Base).
PB85-862688 **17**-*538,346* PC **N01**/MF **N01**

RANDOM PHASE APPROXIMATION

RPA And the Restoration of Translation Symmetry of Rotating Nucleus Hamiltonian.
DE84702845 **08**-*517,902* PC **A02**/MF **A01**

Application of the Quasiparticle-Random-Phase Approximation in the Region of the Semi-Magic Nucleus sub 64146 Gd sub 82.
DE84751954 **08**-*517,949* PC **A06**/MF **A01**

Description of Monopole Giant Resonances in the Random Phase Approximation.
DE85700686 **20**-*546,696* PC **A02**/MF **A01**

Statistics of Resistance Fluctuation in a One-Dimensional Disordered Metal.
DE85701200 **21**-*549,159* PC **A02**/MF **A01**

RANDOM PROCESSES

Estimating Random Integrals from Noisy Observations: Sampling Designs and Their Performance.
AD-A152 926/2 **15**-*534,074* PC **A04**/MF **A01**

Erzeugung Zweistifuger Sufallsgraphen (Generation of Two Stage Random Graphs).
N84-33654/4 **01**-*502,089* PC **A02**/MF **A01**

Dynamics of Symmetry Breaking: Phase Coherence in Finite and Random Systems.
N85-11658/0 **04**-*510,353* PC **A02**/MF **A01**

Growth and Composition of Supercritical Branching Populations on General Type Spaces.
N85-14631/4 **08**-*516,156* PC **A04**/MF **A01**

Anderson Localization for Large Disorder or Low Energy.
N85-29692/9 **21**-*549,136* PC **A04**/MF **A01**

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PB85-858207 **12**-*527,210* PC **N01**/MF **N01**

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PB85-858215 **12**-*527,211* PC **N01**/MF **N01**

RANDOM SAMPLING

Spline Methods for Approximating Quantile Functions and Generating Random Samples.
N85-16565/2 **10**-*522,208* PC **A03**/MF **A01**

RANDOM VARIABLES

Extrapolation and Moving Average Representation for Stationary Random Fields and Beurling's Theorem.
AD-A145 904/9 **01**-*501,618* PC **A02**/MF **A01**

On the Cadlaguity of Random Measures.
AD-A147 906/2 **04**-*509,494* PC **A02**/MF **A01**

Generating Positively Correlated Random Variables from a Sequence of Independent Random Variables with Symmetric Logarithmically Concave Densities.
AD-A148 438/5 **05**-*511,750* PC **A02**/MF **A01**

Statistics for the Maximum of Several Positive Random Variables with Application to Networking.
AD-A150 005/7 **09**-*519,460* PC **A05**/MF **A01**

Bilaterally Deterministic rho-Mixing Stationary Random Sequence.
AD-A152 856/1 **15**-*534,072* PC **A02**/MF **A01**

Recent Advances in Generating Observations from Discrete Random Variables.
AD-A158 152/9 **24**-*555,833* Not available NTIS

Compound Poisson Approximations for Sums of Random Variables,
AD-A158 555/3 **25**-*558,515* PC **A02**/MF **A01**

Random Process Generation. Final Report October 1, 1979 - December 31, 1983,
AD-A158 638/7 **25**-*558,520* PC **A02**/MF **A01**

Basic Properties of Strong Mixing Conditions.
AD-A158 740/1 **25**-*558,525* PC **A03**/MF **A01**

RANDOM VIBRATION

Optimal Corrections of a Damped Linear Oscillator under Random Perturbations,
AD-P004 911/4 **24**-*556,976* PC **A02**/MF **A01**

Investigation of Dynamic Noise Affecting Geodynamics Information in a Tethered Subsatellite.
N85-17405/0 **11**-*524,092* PC **A04**/MF **A01**

RANDOM WALK

Hopping Conduction from Multiple Scattering Theory and Continuous Time Random Walk to the Coherent Medium Approximation.
AD-A146 157/3 **01**-*502,614* Not available NTIS

Numerical Solution of Field Theories Using Random Walks,
PB85-186096 **16**-*536,907* PC **E04**/MF **E04**

Random Walk on a Random Channel with Absorbing Barriers.
PB85-197440 **17**-*538,342* Not available NTIS

Improved Guided Random Walk Algorithm for Quantum Field Theory Computations,
PB85-228575 **22**-*551,744* PC **E03**/MF **E03**

RANEY NICKEL CATALYSTS

Surface Vibrational Spectroscopy with Neutron Inelastic Scattering.
PB85-104834 **01**-*501,109* Not available NTIS

RANGE AND RANGE RATE TRACKING

Hardware Test Program for Evaluation of Baseline Range-Range Rate Sensor Concept.
N85-27193/0 **19**-*543,687* PC **A02**/MF **A01**

RANGE (DISTANCE)

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N85-31230/4 **23**-*554,516* PC **A06**/MF **A01**

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N85-30780/9 **22**-*550,023* PC **A07**/MF **A01**

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AD-A153 322/3 **15**-*533,668* PC **A10**/MF **A01**

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PAT-APPL-6-617 220 **01**-*502,094* PC **A03**/MF **A01**

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AD-A153 130/0 **15**-*533,143* PC **A03**/MF **A**

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AD-A155 228/0 **19**-*542,540* PC **A03**/MF **A01**

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AD-A150 984/3 **11**-*524,238* PC **A03**/MF **A01**

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PB85-122992 **04**-*509,528* PC **E03**/MF **E03**

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AD-A151 520/4 **12**-*526,659* PC **A02**/MF **A01**

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One-M bit CMOS EPROM,
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(Order as PB85-226074, PC **E05**/MF **E01**)

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Method and Apparatus for Operating on Companded PCM (Pulse Code Modulation) Voice Data.
PAT-APPL-6-655 601 **22**-*550,933* PC **A02**/MF **A01**

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256 K-Bit CMOS EPROM,
PB85-105229
03-*506,135*
(Order as PB85-105203, PC **E05**/MF **E01**)

High-Speed High-Density 256K-bit MASK ROM,
PB85-136109
06-*513,444*
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AD-A146 158/1 **01**-*501,865* PC **A02**/MF **A01**

Graphite-Strip-Heater Zone-Melting Recrystallization of Si Films.
AD-A147 189/5 **02**-*504,850* PC **A03**/MF **A01**

Solidification-Front Modulation to Entrain Subboundaries in Zone-Melting Recrystallization of Si on SiO2.
AD-A151 405/8 **12**-*527,898* Not available NTIS

Topographic Imperfections in Zone Melting Recrystallized Si Films.
AD-A151 482/7 **12**-*527,899* PC **A02**/MF **A01**

The Role of Oxygen in Zone-Melting Recrystallization of Silicon-on-Insulator Films.
AD-A152 845/4 **15**-*533,485* PC **A02**/MF **A01**

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AD-A153 004/7 **15**-*533,773* PC **A02**/MF **A01**

Zone-Melting Recrystallization of 3 inch Diameter Si Films on Si02 -coated Si Substrates.
AD-A153 719/0 **16**-*536,718* PC **A02**/MF **A01**

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AD-A153 720/8 **16**-*536,927* PC **A02**/MF **A01**

Zone-Melting Recrystallization of Si Films with a Moveable-Strip-Heater Oven.
AD-A154 422/0 **17**-*539,267* PC **A02**/MF **A01**

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AD-A157 084/5 **23**-*553.545* PC **A02**/MF **A01**

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AD-A157 137/1 **23**-*553,155* PC **A02**/MF **A01**

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DE85012608 **22**-*551,248* PC **A02**/MF **A01**

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PAT-APPL-508 789 **25**-*559,367* PC **A02**/MF **A01**

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PB85-237014
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PB85-237022
23-*552,778*
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Recrystallization of Silicon Islands by Dual Laser Beam Irradiation and Its Application to Multilayer Devices,
PB85-237048
23-*552,779*
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N84-34675/8 **02**-*503,858* PC **A03**/MF **A01**

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AD-A155 029/2 **18**-*540,904* PC **A05**/MF **A01**

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AD-A150 500/7 **10**-*522,270* PC **A04**/MF **A01**

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AD-A148 522/6 **05**-*512,640* PC **A02**/MF **A01**

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PB85-219087 **21**-*548,571* PC **A04**/MF **A01**

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PB85-106086 **01**-*500,608* PC **A06**/MF **A01**

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DE85005487 **11**-*524,146* PC **A02**/MF **A01**

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RUBIDIUM 81

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DE85012700 **22**-*551,542* PC **A02**/MF **A01**

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DE85700490 **16**-*536,937* PC **A02**/MF **A01**

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AD-A150 787/0 **11**-*524,787* PC **A04**/MF **A01**

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PB85-178341 **14**-*531,338* PC **A03**/MF **A01**

RUBIDIUM IODIDES

Coupling Between Molecular and Charge Transfer Excitations in Mixed Alkali Halide-Cyanide Crystals.
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Acute Toxicity Studies of Cesium and Rubidium Compounds,
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Calculation of Gamow-Teller beta -Strength Functions in the Rubidium Region in the RPA Approximation with Nilsson Model Wave Functions.
DE83704511 **02**-*504,945* PC **A04**/MF **A01**

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DE85701451 **24**-*556,286* PC **A04**/MF **A01**

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DE84016891 **02**-*505,107* PC **A02**/MF **A01**

RUBRENES

Investigation of Chemiluminescent Reactions.
AD-A148 460/9 **05**-*511,211* PC **A04**/MF **A01**

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Aerobic Digestion of Rum Wastes in Sea Water to Contribute to the Marine Food Chain.
PB85-247963 **26**-*561,119* PC **A03**/MF **A01**

RUM UNDERWATER VEHICLES

Remote Underwater Manipulator (RUM III).
AD-A149 144/8 **08**-*517,219* PC **A02**/MF **A01**

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AD-A152 822/3 **15**-*533,053* PC **A06**/MF **A01**

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PB85-156990 **10**-*521,431* PC **A02**/MF **A01**

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PB85-135028 **05**-*511,007* PC **A02**/MF **A01**

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DE82780024 **20**-*546,629* PC **A07**/MF **A01**

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DE85012376 **22**-*551,534* PC **A02**/MF **A01**

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DE85780307 **15**-*534,970* PC **A07**/MF **A01**

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DE85780885 **20**-*546,820* PC **A03**/MF **A01**

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Sup 144 Sm (P,p') Scattering Through Isobaric Analog Resonances and the Structure of sup 145 Sm.
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SAMARIUM 146

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

SAMARIUM 147

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

SAMARIUM 147 TARGET

Study of the (N, alpha)Reaction on sup 143 Nd and sup 147 Sm with Neutron Energy of High Resolution.
DE84702453 **01**-*502,504* PC **A02**/MF **A01**

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DE85014218 **24**-*556,819* PC **A02**/MF **A01**

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Stellar Neutron Capture Rates of Sup(148,149,150)Sm.
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DE84702311 **03**-*507,515* PC **A02**/MF **A01**

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DE85781054 **25**-*559,646* PC **A03**/MF

SAMARIUM 149 TARGET

Stellar Neutron Capture Rates of Sup(148,149,150)Sm.
DE85751539 **20**-*546,805* PC **A04**/MF

SAMARIUM 150

Analysis of Particle Scattering on Nuclei with Vibratio
Level Excitation.
DE84702306 **03**-*507,510* PC **A02**/MF

SAMARIUM 150 TARGET

Diffusion of 1 GeV Protons on 144, 150 and 152 Samariu
Reaction Mechanism Test and Matter Densities.
DE82780024 **20**-*546,629* PC **A07**/MF

Analysis of Particle Scattering on Nuclei with Vibratio
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SAMARIUM 152

Band Structures in exp 152 Sm and exp 156 Gd Studied
Means of the (Chemically Bond, 2NLT. Slash) Reactio
DE82780025 **20**-*546,630* PC **A07**/MF

SAMARIUM 152 TARGET

Diffusion of 1 GeV Protons on 144, 150 and 152 Samari
Reaction Mechanism Test and Matter Densities.
DE82780024 **20**-*546,629* PC **A07**/MF

Problem of Low Energy Neutron Inelastic Scattering on
sup 152 Sm Nucleus.
DE85701832 **26**-*561,817* PC **A02**/MF

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SAMARIUM 154 TARGET

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Coulomb Barrier.
DE85007817 **13**-*530,447* PC **A02**/MF

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Reactions at Near-Barrier Energies.
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SAMARIUM ATOMS

Laser Ablation Studies Using RIS.
DE85001118 **04**-*508,801* PC **A02**/MF

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Magnitude and Range of the RKKY Interaction in Se
sub 4 B sub 4.
DE85012284 **20**-*546,984* PC **A02**/MF

Surface Impedance of Several Magnetic Superconducto
DE85014101 **24**-*557,019* PC **A02**/MF

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DE85014968 **25**-*559,794* PC **A02**/MF

Radiation Damage in SmS, SmSsub(1-X)Psub(X) and
sub 6.
DE85751188 **25**-*559,814* PC **A02**/MF

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Spectroscopic and Electrochemical Studies of Sele
Lanthanides and Actinides in Concentrated Aqueous
bonate and Carbonate-Hydroxide Solutions and in M
Dimethyl Sulfone.
DE85006381 **12**-*526,683* PC **A09**/MF

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Trifluoride Single Crystals.
DE85701748 **25**-*559,812* PC **A02**/MF

SAMARIUM IONS

Free-Ion Spectra of Interest to Solid and Solution Spec
copists.
DE85007769 **13**-*528,984* PC **A02**/MF

SAMARIUM ISOTOPES

Low-Lying 1 exp - States in Spherical Nuclei.
DE84702300 **03**-*507,504* PC **A02**/MF

SAMARIUM PHOSPHIDE SULFIDES

Radiation Damage in SmS, SmSsub(1-X)Psub(X) and
sub 6.
DE85751188 **25**-*559,814* PC **A02**/M

SAMARIUM PHOSPHIDES

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DE85751229 **24**-*557,051* PC **A02**/MF **A01**

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PB85-161495 **11**-*523,396* PC **A03**/MF **A01**

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DE85702019 **25**-*558,981* PC **A02**/MF **A01**

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DE85003686 **09**-*520,072* PC **A02**/MF **A01**

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DE85005170 **11**-*525,190* PC **A02**/MF **A01**

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PAT-APPL-6-637 241 **07**-*514,780* PC **A02**/MF **A01**

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PAT-APPL-6-648 211 **18**-*541,340* PC **A02**/MF **A01**

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PATENT-4 443 766 **01**-*501,383* Not available NTIS

Sampling Device.
PATENT-4 447 395 **01**-*500,791* Not available NTIS

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PATENT-4 468 973 **01**-*501,989* Not available NTIS

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PB85-163780 **11**-*523,836* PC **E04**/MF **E01**

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PB85-167898 **13**-*529,834* Not available NTIS

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PB85-182426 **16**-*536,598* PC **E03**/MF **E03**

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PB85-196418 **17**-*538,730* PC **A04**/MF **A01**

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PB85-198109 **18**-*541,343* PC **A02**/MF **A01**

Protocol for Size-Specific Emission Measurements (SIM-5) Applied to PM(10).
PB85-200194 **18**-*541,345* PC **A02**/MF **A01**

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PB85-201184 **18**-*541,349* PC **A02**/MF **A01**

Wind Tunnel Measurements of the Inlet Efficiency of Four Samplers of Suspended Particulate Matter,
PB85-213494 **19**-*543,708* PC **E04**/MF **E04**

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PB85-220341 **20**-*546,009* PC **A02**/MF **A01**

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PB85-222446 **21**-*548,715* PC **A09**/MF **A01**

Airflow Evaluations of Four Flow-Controlled Personal Sampling Pumps.
PB85-236461 **24**-*556,163* PC **A03**/MF **A01**

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PB85-243194 **26**-*561,297* PC **E04**/MF **E04**

Evaluation of Polyurethane Foam Cartridges for Measurement of Polynuclear Aromatic Hydrocarbons in Air.
PB85-245645 **26**-*561,300* PC **A03**/MF **A01**

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PB85-246031 **26**-*560,376* PC **A04**/MF **A01**

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N85-31783/2 **23**-*553,680* PC **A03**/MF **A01**

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PB85-170728 **13**-*529,091* PC **E03**/MF **E01**

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PB85-189348 **15**-*533,633* Not available NTIS

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PB85-191112 **16**-*536,405* PC **A02**/MF **A01**

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Designing Optimal AOQL Sampling Plans a Computerized Approach.
AD-A146 288/6 **01**-*501,641* PC **A03**/MF **A01**

Performance of Variable Sampling Plans when the Normal Distribution is Truncated.
AD-A147 717/3 **04**-*509,480* PC **A02**/MF **A01**

Numerical Analysis of Sampling Plans Based on Prior Distribution and Costs.
AD-A147 718/1 **04**-*509,481* PC **A03**/MF **A01**

Optically Coupled Sampling System with 4 GHz Bandwidth.
AD-A148 057/3 **04**-*510,228* PC **A08**/MF **A01**

Developing Double Sampling Plans for Attributes to Meet Sample Size Criteria.
AD-A148 144/9 **04**-*509,506* PC **A03**/MF **A01**

Antisampling for Estimation: An Overview,
AD-A148 545/7 **05**-*511,753* PC **A03**/MF **A01**

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AD-A149 014/3 **07**-*515,022* PC **A03**/MF **A01**

Computer System for Generating Single and Double Sampling Plans for Attributes Data.
AD-A149 548/0 **08**-*516,612* PC **A05**/MF **A01**

Monte Carlo Sampling Plan for Estimating Network Reliability.
AD-A150 511/4 **10**-*521,987* PC **A03**/MF **A01**

Use of a High-Speed 12-Bit A/D Converter for Digital Sampling of Communication Signal Carriers.
AD-A150 578/3 **10**-*522,571* PC **A03**/MF **A01**

Data Based Algorithm for Choosing the Window Width when Estimating the Integral of f2(x).
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Statistical Effects of Imperfect Inspection Sampling. II. Double Sampling, Link Sampling and Grading.
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Estimating Random Integrals from Noisy Observations: Sampling Designs and Their Performance.
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AD-A157 840/0 **24**-*557,182* PC **A03**/MF **A01**

Linear Combination Test for Detecting Serial Correlation in Multivariate Samples.
AD-A158 179/2 **24**-*555,841* PC **A02**/MF **A01**

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AD-A156 043/2 **21**-*549,051* PC **A02**/MF **A01**

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AD-A154 710/8 **18**-*541,441* PC **A08**/MF **A01**

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N85-31459/9 **23**-*554,201* PC **A05**/MF **A01**

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PB85-130326
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AD-A146 595/4 **01**-*500,473* PC **A02**/MF **A01**

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PB85-161685 **11**-*525,362* PC **E05**/MF **E05**

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PB85-176451 **13**-*530,151* PC **E05**/MF **E05**

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PB85-179802 **14**-*532,591* PC **E03**/MF **E03**

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N85-14091/1 **08**-*516,425* PC **A09**/MF **A01**

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N85-17422/5 **11**-*524,389* PC **A08**/MF **A01**

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N85-32272/5 **24**-*555,697* PC **A02**/MF **A01**

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PAT-APPL-6-676 163 **15**-*534,260* PC **A02**/MF **A01**

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PATENT-4 500 329 **13**-*529,089* Not available NTIS

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AD-A158 704/7 **25**-*557,602* PC **A02**/MF **A01**

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PB85-157634 **13**-*528,377* PC **A05**/MF **A01**

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PB85-209880 **19**-*543,517* PC **A04**/MF **A01**

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PB85-211720 **20**-*545,746* PC **A02**/MF **A01**

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PB85-216570 **20**-*545,792* PC **A08**/MF **A01**

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PB85-249159 **26**-*560,621* PC **A05**/MF **A01**

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AD-A156 771/8 **22**-*549,773* PC **A03**/MF **A01**

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PB85-210268 **19**-*542,154* PC **A06**/MF **A01**

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DE85015249 **25**-*559,462* PC **A02**/MF **A01**

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DE85016993 **26**-*561,756* PC **A02**/MF **A01**

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DE85700921 **20**-*546,558* PC **A02**/MF **A01**

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DE85700927 **20**-*546,564* PC **A02**/MF **A01**

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AD-A147 859/3 **04**-*509,487* PC **A02**/MF **A01**

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AD-A149 255/2 **08**-*516,932* PC **A02**/MF **A01**

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AD-A150 655/9 **11**-*524,562* PC **A02**/MF **A01**

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AD-A150 893/6 **11**-*524,530* PC **A02**/MF **A01**

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AD-A151 489/2 **12**-*527,188* Not available NTIS

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AD-A152 827/2 **15**-*534,071* PC **A02**/MF **A01**

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AD-A152 856/1 **15**-*534,072* PC **A02**/MF **A01**

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AD-A157 465/6 **23**-*553,214* Not available NTIS

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N85-31354/2 **23**-*553,770* PC **A09**/MF **A01**

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PAT-APPL-6-680 992 **11**-*523,665* PC **A03**/MF **A01**

SEQUENCING BATCH REACTORS

Technology Assessment of Sequencing Batch Reactors,
PB85-167245 **12**-*527,293* PC **A05**/MF **A01**

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Optimal Detection of a Change in Distribution.
AD-A146 849/5 **02**-*504,103* PC **A03**/MF **A01**

Interval Estimation after Sequential Testing Based on the Total Time on Test.
AD-A147 816/3 **04**-*509,485* PC **A02**/MF **A01**

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AD-A151 027/0 **11**-*524,538* PC **A04**/MF **A01**

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DE85002409 **07**-*515,355* PC **A02**/MF **A01**

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Sequential Quadratic Programming Algorithm for Solving Large, Sparse Nonlinear Programs.
AD-A145 854/6 **01**-*501,668* PC **A08**/MF **A01**

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DE85002317 **08**-*517,673* PC **A02**/MF **A01**

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DE85002469 **07**-*515,449* PC **A02**/MF **A01**

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DE85002476 **09**-*520,104* PC **A02**/MF **A01**

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DE85901314 **23**-*554,045* PC **A02**/MF **A01**

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SEQUOYAH-2 REACTOR

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AD-A147 514/4 **03**-*506,057* PC **A02**/MF **A01**

Optimal Allocation of Components in Parallel-Series and Series-Parallel Systems.
AD-A150 169/1 **10**-*521,926* PC **A03**/MF **A01**

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DE85015057 **24**-*555,864* PC **A02**/MF **A01**

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N84-34773/1 **02**-*504,382* PC **A04**/MF **A01**

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ED-246 865 **06**-*512,989* Not available NTIS

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AD-A147 134/1 **02**-*502,856* PC **A02**/MF **A01**

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DE84702427 **01**-*500,127* PC **A03**/MF **A01**

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DE85781546 **25**-*557,290* PC **A08**/MF **A01**

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N85-12839/5 **06**-*512,736* PC **A02**/MF **A01**

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N85-12842/9 **06**-*512,739* PC **A03**/MF **A01**

IRAS Galaxy 0421 + 040P06: An Active Spiral Galaxy with Extended Radio Lobes.
N85-15536/4 **09**-*518,433* PC **A03**/MF **A01**

X-Ray and UV Emission from Active Galactic Nuclei.
N85-17790/5 **11**-*523,334* PC **A13**/MF **A01**

X-Ray Emission from Active Galactic Nuclei.
N85-21088/8 **14**-*530,872* PC **A02**/MF **A01**

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N85-22267/7 **14**-*530,879* PC **A02**/MF **A01**

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N85-26463/8 **18**-*539,745* PC **A02**/MF **A01**

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PB85-231785 **23**-*552,002* PC **E05**/MF **E05**

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Padlock Shackle.
PAT-APPL-6-627 936 **05**-*511,950* PC **A02**/MF **A01**

SHADING (COLORS)

Optical Phenomena in Computer Vision.
AD-A152 970/0 **15**-*533,801* PC **A03**/MF **A01**

SHADOW ECONOMY

Estimating the Shadow Economy.
AD-A154 860/1 **18**-*539,870* PC **A02**/MF **A01**

SHADOW IMAGING

Visualization of Surface-Breaking Flaws by Shadow Imaging.
AD-A148 127/4 **04**-*509,837* PC **A02**/MF **A01**

SHADOWGRAPHS

Optical System for Measuring Shadowgraph Data.
PATENT-4 500 206 **15**-*534,515* Not available NTIS

SHADOWS

Visualization of Surface-Breaking Flaws by Shadow Imaging.
AD-A148 127/4 **04**-*509,837* PC **A02**/MF **A01**

SHAFT EXCAVATIONS

Basic Investigations of the Turmag-Shaft Boring Technique.
DE82901160 **26**-*561,031* PC **A04**/MF **A01**

Radioactive Waste Isolation in Salt: Peer Review of the Office of Nuclear Waste Isolation's Plan to Decommission and Reclaim Exploratory Shafts and Related Facilities.
DE84017434 **03**-*507,075* PC **E03**/MF **A01**

NNWSI (Nevada Nuclear Waste Storage Investigations) Exploratory Shaft Site and Construction Method Recommendation Report.
DE84017564 **03**-*507,076* PC **A06**/MF **A01**

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DE85005308 **11**-*525,116* PC **A03**/MF **A01**

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DE85005662 **12**-*527,755* PC **A05**/MF **A01**

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DE85005676 **12**-*527,761* PC **A04**/MF **A01**

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DE85007499 **13**-*530,105* PC **A03**/MF **A01**

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DE85010414 **17**-*538,989* PC **A08**/MF **A01**

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DE85017327 **26**-*561,463* PC **A03**/MF **A01**

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PB85-135804 **06**-*513,379* PC **A02**/MF **A01**

SHAFTS

SHAFT: Interactive Shaft Design Program.
DE85007333 **13**-*529,758* PC **A04**/MF **A01**

Measurement and Evaluation of Torsional Oscillation Loads on Shafts.
DE85770233 **17**-*538,636* PC **A03**/MF **A01**

SHAFTS (EXCAVATIONS)

Geotechnical Validation of Pre-Dug, Backfilled Egress Concept.
PB85-163608 **11**-*524,196* PC **A09**/MF **A01**

Handbook on Design of Piles and Drilled Shafts Under Lateral Load.
PB85-201085 **18**-*541,304* PC **A17**/MF **A01**

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AD-A153 671/3 **16**-*536,696* PC **A02**/MF **A01**

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BHRA-85/20 **15**-*533,966* PC**$30.00**

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N85-16222/0 **10**-*522,402* PC **A03**/MF **A01**

Assessment of the Operating Characteristics of the SSME LOX Turbopump Pump-End Bearing.
N85-17362/3 **11**-*525,839* PC **A03**/MF **A01**

Vibration Control of Rotor Shaft.
N85-29292/8 **21**-*549,144* PC **A02**/MF **A0**

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PAT-APPL-6-622 370 **02**-*504,414* PC **A02**/MF **A0**

Angular Measurement System.
PAT-APPL-6-657 309 **13**-*529,825* PC **A02**/MF **A0**

Multi-Track Optical Shaft Position and Timing Cylinder.
PAT-APPL-6-717 990 **14**-*532,297* PC **A02**/MF **A0**

Non-Backdriveable Free Wheeling Coupling.
PAT-APPL-6-725 689 **22**-*550,782* PC **A02**/MF **A0**

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PATENT-4 447 395 **01**-*500,791* Not available NT

Method for Driving Two-Phase Turbines with Enhanced Ef ciency.
PATENT-4 514 137 **22**-*550,331* Not available NT

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Summer Internal Phosphorus Supplies in Shagawa La Minnesota.
PB85-244234 **26**-*560,609* PC **A02**/MF **A**

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AD-A155 617/4 **19**-*543,433* MF **A**

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N85-32334/3 **24**-*555,726* PC **A02**/MF

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PB85-174985 **14**-*532,202* PC **A02**/MF **A01**

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AD-A148 369/2 **05**-*511,205* PC **A03**/MF **A01**

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DE85004986 **10**-*521,861* PC **A02**/MF **A01**

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DE84006950 **08**-*518,209* PC **A07**/MF **A01**

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DE84011998 **09**-*519,704* PC **A06**/MF **A01**

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DE85001992 **13**-*529,076* PC **A09**/MF **A01**

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DE85003355 **12**-*526,804* PC **A06**/MF **A01**

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DE85003637 **10**-*523,145* PC **A02**/MF **A01**

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DE85007503 **13**-*528,873* PC **A04**/MF **A01**

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DE85008616 **24**-*557,098* PC **A02**/MF **A01**

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DE85010774 **18**-*540,504* PC **A05**/MF **A01**

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DE85012359 **21**-*549,199* PC **A03**/MF **A01**

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DE85013531 **21**-*549,216* PC **A07**/MF **A01**

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DE85014890 **23**-*554,470* PC **A03**/MF **A01**

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DE85014954 **24**-*557,139* PC **A12**/MF **A01**

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DE85017192 **26**-*562,008* PC **A02**/MF **A01**

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DE85770224 **15**-*535,208* PC **A08**/MF **A01**

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N85-12183/8 **06**-*514,271* PC **A02**/MF **A01**

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PAT-APPL-6-597 627 **21**-*548,562* PC **A02**/MF **A01**

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PB85-237311 **24**-*557,180* MF **A01**

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PB85-857068 **10**-*522,253* PC **N01**/MF **N01**

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DE85004408 **09**-*518,981* PC **A03**/MF **A01**

Laboratory Testing on Rock Core Samples from Zeeck No. 1 (PD-7) Well, Palo Duro Basin, Texas: Unanalyzed Data.
DE85006697 **14**-*531,556* PC **A03**/MF **A01**

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DE85007564 **14**-*531,572* PC **A03**/MF **A01**

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DE85009280 **15**-*533,681* PC **A03**/MF **A01**

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DE85009668 **16**-*535,929* PC **A03**/MF **A01**

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DE85010453 **17**-*537,786* PC **A99**/MF **A01**

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DE85013990 **25**-*559,123* PC **A02**/MF **A01**

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DE85014141 **24**-*556,393* PC **A02**/MF **A01**

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DE85015283 **24**-*555,943* PC **A03**/MF **A01**

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PB85-105815 **02**-*503,720* PC **E03**/MF **E01**

Development of a Modified Milling Technique for the Treatment of Andalusite-Bearing Shales,
PB85-105989 **02**-*503,721* PC **E04**/MF **E01**

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PB85-153856 **10**-*523,171* PC **A03**/MF **A01**

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PB85-218634 **21**-*547,885* PC **A05**/MF **A01**

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Steady Flows Drawn from a Stably Stratified Reservoir.
AD-A147 322/2 **03**-*507,293* Not available NTIS

Analytical Model of Periodic Waves in Shallow Water--Summary.
AD-A147 502/9 **03**-*505,941* PC **A02**/MF **A01**

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AD-A148 396/5 **05**-*512,406* PC **A03**/MF **A01**

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AD-A157 102/5 **23**-*552,622* Not available NTIS

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AD-P004 932/0 **24**-*556,638* PC **A02**/MF **A01**

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N85-17341/7 **11**-*524,121* PC **A02**/MF **A01**

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N85-20292/7 **14**-*532,580* PC **A03**/MF **A01**

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PB85-122406 **04**-*508,905* PC **E03**/MF **E03**

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PB85-200426 **18**-*541,158* PC **E11**/MF **E01**

Time-Dependent, Two-Dimensional Model for Predicting the Distribution of Drilling Muds Discharged to Shallow Water,
PB85-248896 **26**-*560,643* PC **A03**/MF **A01**

SHANBHAG LEMMA

Variant of Shanbhag's Lemma Arising out of a Modified Rac-Rubbin Condition.
AD-A158 608/0 **25**-*558,518* PC **A02**/MF **A01**

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Shannon Estuary - Industrial Location Study. Executive Summary.
PB85-177475 **14**-*532,094* PC **E04**/MF **E04**

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Trace Organic Compound Identification: Shannon Information Content and Pattern Recognition of Mass Spectra,
PB85-189736 **15**-*533,641* PC **A02**/MF **A01**

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Axial Representations of Shape.
AD-A150 387/9 **10**-*521,937* PC **A03**/MF **A01**

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AD-A158 089/3 **24**-*555,168* PC **A04**/MF **A01**

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AD-A158 197/4 **24**-*554,973* PC **A03**/MF **A01**

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PB85-131175
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Development of Shape Analysis Algorithms.
AD-A158 496/0 **25**-*558,163* PC **A02**/MF **A01**

SHAPE CONTROL

Effect of Sensor and Actuator Errors on Static Shape Control for Large Space Structures.
N85-29998/0 **22**-*551,862* PC **A03**/MF **A01**

SHAPED CHANGES

Criteres d'Instabilite pour la Determination des Caracteristiques de Fragmentation d'un Jet de Charge Creuse (Instability Criteria for a Determination of Fragmentation Properties in a Hollow-Charge Jet) (Unbestaendigkeitkriterien zur Bestimmung der Zersplitterungseigenschaften eines Hohlladungsstrahls),
PB85-153112 **10**-*522,901* PC **E04**/MF **E01**

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Study of Shaped-Charge Collapse and Jet Formation Using the HEMP (Hydrodynamic, Elastic, Magneto, and Plastic) Code and a Comparison with Experimental Observations.
AD-A149 472/3 **08**-*517,721* PC **A06**/MF **A01**

Hybrid Shaped-Charge/Kinetic/Energy Penetrator.
PATENT-4 463 678 **03**-*507,241* Not available NTIS

Criteres d'Instabilite pour la Determination des Caracteristiques de Fragmentation d'un Jet de Charge Creuse (Instability Criteria for a Determination of Fragmentation Properties in a Hollow-Charge Jet) (Unbestaendigkeitkriterien zur Bestimmung der Zersplitterungseigenschaften eines Hohlladungsstrahls),
PB85-153112 **10**-*522,901* PC **E04**/MF **E01**

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PB85-867562 **22**-*551,226* PC **N01**/MF **N01**

SHAPED CHARGE WARHEADS

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PB85-867562 **22**-*551,226* PC **N01**/MF **N01**

SHAPED CHARGES

Study of Shaped-Charge Collapse and Jet Formation Using the HEMP (Hydrodynamic, Elastic, Magneto, and Plastic) Code and a Comparison with Experimental Observations.
AD-A149 472/3 **08**-*517,721* PC **A06**/MF **A01**

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AD-A151 416/5 **12**-*527,861* PC **A03**/MF **A01**

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DE85000197 **07**-*515,498* PC **A02**/MF **A01**

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DE85009443 **22**-*551,219* PC **A02**/MF **A01**

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DE85011182 **18**-*541,630* PC **A05**/MF **A01**

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N85-15923/4 **10**-*522,900* PC **A03**/MF **A01**

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N85-27021/3 **19**-*543,963* PC **A03**/MF **A01**

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PB85-123107 **04**-*510,149* PC **E04**/MF **E01**

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PB85-154029 **10**-*522,903* PC **E04**/MF **E01**

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PB85-196822 **17**-*539,240* PC **E04**/MF **E01**

Etude de Jets de Charges Creuses par Diffraction X Instantanee (Investigation of Hollow-Charge Jets with Instantaneous X-ray Diffraction Diagrams).
PB85-199206 **17**-*539,241* PC **E03**/MF **E03**

Shaped Charges. 1970-September 1985 (Citations from the U.S. Patent Data Base).
PB85-867430 **22**-*551,223* PC **N01**/MF **N01**

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PB85-867562 **22**-*551,226* PC **N01**/MF **N01**

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Effects of Body Shape on the Aerodynamics of a Body of Revolution at Mach Numbers from 1.6 to 4.6.
N85-15657/8 **10**-*520,936* PC **A02**/MF **A01**

Etude Experimentale Dune Couche Limite Turbulente Incompressible sur Une Paroi Courbe (Experimental Investigation of a Turbulent Incompressible Boundary Layer on a Curved Wall).
N85-19936/2 **14**-*532,573* PC **A06**/MF **A01**

Semianalytic Modeling of Aerodynamic Shapes.
N85-21120/9 **14**-*530,751* PC **A02**/MF **A01**

Description of the Langley Wireframe Geometry Standard (LAWGS) Format.
N85-22380/8 **15**-*534,433* PC **A03**/MF **A01**

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N85-24255/0 **17**-*539,244* PC **A03**/MF **A01**

Fluid Surface Behavior in Low Gravity. Center Discretionary Fund No. 83-21.
N85-28260/6 **20**-*546,505* PC **A03**/MF **A01**

SHARED RIDE TAXI SYSTEM

Shared-Ride Taxi Service in Boston, Massachusetts.
PB85-226173 **22**-*550,678* PC **A05**/MF **A01**

SHARED RIDE TAXI SYSTEMS

Late-Night Shared-Ride Taxi Transit in Ann Arbor, Michigan.
PB85-178119 **14**-*532,104* PC **A08**/MF **A01**

SHARED RIDE TRANSPORTATION SERVICES

Late-Night Shared-Ride Taxi Transit in Ann Arbor, Michigan.
PB85-178119 **14**-*532,104* PC **A08**/MF **A01**

Shared-Ride Taxi Service in Boston, Massachusetts.
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ED-244 612 **04**-*508,291* Not available NTIS

Resource Sharing. SPEC Kit 42.
ED-251 098 **13**-*528,506* Not available NTIS

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PB85-110724 **02**-*503,161* PC **E03**/MF **E01**

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PB85-197127 **16**-*535,429* PC **A09**/MF **A01**

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PB85-241842 **23**-*552,090* PC **A03**/MF **A01**

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AD-A151 117/9 **12**-*526,730* PC **A04**/MF **A01**

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PB85-188084 **16**-*535,914* PC **A03**/MF **A01**

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PB85-195857
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SHEAR

Effect of Vertical Shear on Regional-Scale Trajectories in Near-Frontal Conditions.
DE85007554 **14**-*532,025* PC **A02**/MF **A01**

SHEAR FLOW

Decay of Shear Layers and Vortex Sheets.
AD-A147 340/4 **03**-*507,294* Not available NTIS

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AD-A151 807/5 **13**-*530,313* PC **A04**/MF **A01**

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AD-A156 996/1 **22**-*549,905* PC **A02**/MF **A01**

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AD-A153 050/0 **15**-*534,717* PC **A03**/MF **A01**

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AD-A153 073/2 **15**-*534,718* PC **A04**/MF **A01**

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Waves and Instabilities in Collisionless Shocks.
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AD-A149 309/7 **08**-*517,717* PC **A03**/MF **A01**

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AD-A149 533/2 **08**-*517,764* PC **A03**/MF **A01**

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AD-A150 161/8 **10**-*521,671* PC **A02**/MF **A01**

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AD-A151 059/3 **11**-*524,186* PC **A05**/MF **A01**

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AD-A151 219/3 **12**-*526,744* PC **A02**/MF **A01**

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AD-A152 251/5 **13**-*530,320* PC **A04**/MF **A01**

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AD-A153 050/0 **15**-*534,717* PC **A03**/MF **A01**

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AD-A153 154/0 **15**-*532,982* PC **A02**/MF **A01**

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AD-A154 245/5 **17**-*539,451* PC **A09**/MF **A01**

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AD-A154 759/5 **18**-*541,667* PC **A02**/MF **A01**

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N85-20249/7 **14**-*532,386* PC **A02**/MF **A01**

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PATENT-4 465 940 **03**-*506,906* Not available NTIS

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PATENT-4 511 219 **23**-*552,829* Not available NTIS

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Guidelines for Left-Turn Treatments at Signal Controlled Intersections.
PB85-144327 **07**-*515,108* PC **A13**/MF **A01**

Comparative Analysis of Left-Turn Phase Sequencing.
PB85-149359 **08**-*517,136* PC **A04**/MF **A01**

Forschung Strassenbau und Strassenverkehrstechnik, Heft 358, 1982 (Research on Road Construction and Road Traffic Techniques, Vol. 358, 1982).
PB85-169472 **12**-*527,318* PC **E07**/MF **E01**

Operational Effects of Right Turn on Red in New Jersey.
PB85-185502 **16**-*536,269* PC **A04**/MF **A01**

Accident Countermeasures at High-Speed Signalized Intersections. Phase 1. Synthesis of Practice.
PB85-189868 **16**-*536,290* PC **A06**/MF **A01**

SIGNALS

Segmentation of Signals, Time Series, and Images.
AD-A153 396/7 **15**-*534,098* PC **A03**/MF **A01**

Reconstruction of Two-Dimensional Signals from Threshold Crossings.
AD-A155 921/0 **21**-*547,994* PC **A02**/MF **A01**

Technique for Reduction of Coherence Function Bias Error.
DE85002593 **07**-*515,208* PC **A02**

SIGNATURE ANALYSIS

Principios Basicos, Metodologias e Aplicacoes de Sensoriamento Remoto na Agricultura (Basic Principles, Methodology, and Applications of Remote Sensing in Agriculture).
N85-11429/6 **04**-*507,980* PC **A04**/MF **A01**

Surveillance des Machines (The Monitoring of Machines).
N85-13253/8 **07**-*515,167* PC **A03**/MF **A01**

SIGNATURES

Computer Methods of Signature Verification,
PB85-117463 **03**-*506,182* PC **E03**/MF **E03**

Digital Signatures - An Update,
PB85-138337 **07**-*514,831* PC **E03**/MF **E03**

SIGNS AND SYMPTOMS

A Software Package for Administering and Monitoring the Environmental Symptoms Questionnaire (ESQ-III).
AD-A149 965/6 **09**-*519,103* PC **A02**/MF **A01**

SILABICYCLOHEXANES

Thermolysis of 6-Oxa-3-Silabicyclo(3.1.0)Hexanes: A New Convenient Route to Silicon-Oxygen Pi-Bonded Species.
AD-A148 037/5 **04**-*508,757* PC **A02**/MF **A01**

SILACYCLOPROPENES

Silacyclopropenes. 2. 'Two-Atom' Insertion Reactions of 1,1-Dimethyl-2, 3-bis(trimethylsilyl)silirene.
AD-A151 265/6 **12**-*526,631* PC **A02**/MF **A01**

Silacyclopropenes. 3. Palladium-Catalyzed Insertion Reactions.
AD-A152 682/1 **14**-*531,475* PC **A02**/MF **A01**

SILAGE

Sugarcane Fish Silage Fermentation,
PB85-223717 **22**-*549,858* PC **E02**/MF **A01**

SILAIMINE

Co-Pyrolysis of Dimethoxymethylsilylbis(Trimethylsilyl)Amine and Hexamethylcyclotrisiloxane. 1,3-Sigmatropic Rearrangements of Silaimine Intermediates.
AD-A148 282/7 **05**-*511,195* PC **A02**/MF **A01**

SILANE

Silane Pyrolysis.
PB85-123388 **04**-*508,848* Not available NTIS

Total and Partial Electron Collisional Ionization Cross Sections for CH4, C2H6, SiH4 and Si2H6.
PB85-145464 **06**-*513,314* Not available NTIS

SILANE/DICHLORO

Development of a Polysilicon Process Based on Chemical Vapor Deposition of Dichlorosilane in an Advanced Siemen's Reactor. Final Report, October 11, 1982-May 21, 1983.
DE84017155 **02**-*503,491* PC **A03**/MF **A01**

SILANE/DIMETHYL

Polysilastyrene: Phenylmethylsilane-Dimethylsilane Copolymers as Precursors to Silicon Carbide.
AD-A150 689/8 **11**-*524,507* PC **A02**/MF **A01**

SILANE/METHYL-PHENYL

Polysilastyrene: Phenylmethylsilane-Dimethylsilane Copolymers as Precursors to Silicon Carbide.
AD-A150 689/8 **11**-*524,507* PC **A02**/MF **A01**

SILANE/PROPYL

Kinetics and Mechanism of the Shock-Induced Thermal Decomposition of n-Propylsilane.
AD-A149 260/2 **08**-*516,372* PC **A02**/MF **A01**

SILANE/TETRAETHOXY

Electrical Properties of 10-50 nm TEOS (Tetraethoxysilane) LPCVD (Low Pressure Chemical Vapor Deposition) Films.
AD-A146 416/3 **01**-*502,355* PC **A03**/MF **A01**

SILANE/TETRAKIS (DIMETHYLBROMOSILYL)

The Synthesis of the First Spiropentasilane, Octamethylspiropentasilane.
AD-A158 302/0 **25**-*557,879* PC **A02**/MF **A01**

SILANE/TETRAKIS (DIMETHYLCHLOROSILYL)

The Synthesis of the First Spiropentasilane, Octamethylspiropentasilane.
AD-A158 302/0 **25**-*557,879* PC **A02**/MF **A01**

SILANE/TRIS (N-METHYLAMINO)-METHYL

Process for Producing Tris (N-Methylamino) Methylsilane.
PATENT-4 474 975 **15**-*533,584* Not available NTIS

SILANES

Structure of Silane Coupling Agents Adsorbed on Silicon Powder.
AD-A145 803/3 **01**-*500,962* PC **A03**/MF **A01**

Electrical Properties of 10-50 nm TEOS (Tetraethoxysilane) LPCVD (Low Pressure Chemical Vapor Deposition) Films.
AD-A146 416/3 **01**-*502,355* PC **A03**/MF **A01**

Monte Carlo Transition-State Theory: XH(4) Yields XH(3) + H (X= C,Si).
AD-A147 137/4 **02**-*503,519* PC **A02**/MF **A01**

Organosilicon Rotanes.
AD-A147 940/1 **04**-*508,741* PC **A02**/MF **A01**

Kinetics and Mechanism of the Shock-Induced Thermal Decomposition of n-Propylsilane.
AD-A149 260/2 **08**-*516,372* PC **A02**/MF **A01**

On the Thermal Interconversion of Matrix-Isolated Dimethylsilylene and 2-Silapropene. Their Reactions with Oxygen Atom Donors.
AD-A150 473/7 **10**-*521,694* PC **A02**/MF **A01**

The Kinetics and Mechanism of the Shock Induced Gas Phase Decomposition of Ethylsilane.
AD-A150 575/9 **10**-*521,703* PC **A02**/MF **A01**

Spatial Concentrations of Silicon Atoms in RF Discharges of Silane.
AD-A150 874/6 **11**-*523,964* PC **A02**/MF **A01**

Spatial Concentrations of Silicon Atoms by Laser-Induced Fluorescence in a Silane Glow Discharge.
AD-A150 894/4 **11**-*523,967* PC **A02**/MF **A01**

Spatial Resolution of Small Particles in Silane Discharge.
AD-A150 953/8 **11**-*523,970* PC **A02**/MF **A01**

Spatial Dependence of Particle Light Scattering in an RF Silane Discharge.
AD-A150 979/3 **11**-*523,974* PC **A02**/MF **A01**

Photolysis of Dodecamethylcyclohexasilane: Formation of Both Methylsilene and Dimethylsilylene.
AD-A151 519/6 **12**-*526,658* PC **A02**/MF **A01**

1-Silaphenalenes, Potential Precursors to Aromatic Silylenium Ions and Aromatic Silyl Anions, Spectroscopic and Chemical Studies,
AD-A158 308/7 **25**-*557,902* PC **A02**/MF **A01**

Infrared Modulation of Photoluminescence in Glow Discharge Amorphous Silicon.
DE84016993 **09**-*520,703* PC **A02**/MF **A01**

Plasma Deposition of Wide Gap, Highly Photoconductive a-Si:H Thin Films from Disilane-Helium Mixtures.
DE85004058 **11**-*525,614* PC **A02**/MF **A01**

Investigation of Gap States in a-Si:H Using Dual Beam Photoconductivity and Photoluminescence.
DE85005137 **11**-*525,625* PC **A02**/MF **A01**

Density of Gap States in Hydrogenated Amorphous Silicon.
DE85005504 **11**-*525,633* PC **A07**/MF **A01**

Self-Developing Polysilane Deep-UV Resists - Photochemistry, Photophysics, and Submicron Lithography.
DE85007606 **17**-*537,746* PC **A02**/MF **A01**

Monosilane and Disilane: 1984 Status Report.
DE85008776 **19**-*542,774* PC **A03**/MF **A01**

Density of States and Recombination in Amorphous Silicon (a-Si:H).
DE85750498 **12**-*528,097* PC **A04**/MF **A01**

Low Cost Solar Array Project. Experimental Process System Development Unit for Producing Semiconductor-Grade Silicon Using the Silane-to-Silicon Process.
N84-34034/8 **01**-*501,469* PC **A05**/MF **A01**

Development of Acceptance Criteria for Batches of Silane Primer for External Tank Thermal Protection System Bonding Applications.
N85-13043/3 **07**-*514,681* PC **A05**/MF **A01**

Theoretical Studies of the Ignition and Combustion of Silane-Hydrogen-Air Mixtures.
N85-19032/0 **13**-*530,573* PC **A03**/MF **A01**

Development of a Polysilicon Process Based on Chemical Vapor Deposition of Dichlorosilane in an Advanced Siemen's Reactor.
N85-20532/6 **14**-*531,442* PC **A03**/MF **A01**

Ignition of Mixtures of SiH sub 4, CH sub 4, O sub 2, and Ar or N sub 2 Behind Reflected Shock Waves.
N85-22395/6 **15**-*535,142* PC **A02**/MF **A01**

Development of Acceptance Criteria for Batches of Silane Primer for External Tank Thermal Protection System Bonding Applications.
N85-23998/6 **17**-*537,697* PC **A03**/MF **A01**

Development of Acceptance Criteria for Batches of Silane Primer for External Tank Thermal Protection System Bonding Applications.
N85-25523/0 **18**-*540,353* PC **A02**/MF **A01**

Development of Acceptance Criteria for Batches of Silane Primer for External Tank Thermal Protection System Bonding Applications.
N85-26995/9 **19**-*543,169* PC **A04**/MF **A01**

Polysilane Positive Photoresist Materials and Methods for Their Use.
PAT-APPL-6-597 005 **21**-*548,185* PC **A03**/MF **A01**

Process for Producing Tris (N-Methylamino) Methylsilane.
PATENT-4 474 975 **15**-*533,584* Not available NTIS

SILANOL/TRIPHENYL

Reaction Calorimetry for Coal Chemistry and Catalysis. Quarterly Report, February 1, 1985-April 30, 1985.
DE85010144 **20**-*547,057* PC **A02**/MF **A01**

SILAPHENALENE/DIMETHYL

1-Silaphenalenes, Potential Precursors to Aromatic Silylenium Ions and Aromatic Silyl Anions, Spectroscopic and Chemical Studies,
AD-A158 308/7 **25**-*557,902* PC **A02**/MF **A01**

SILAPHENALENES

1-Silaphenalenes, Potential Precursors to Aromatic Silylenium Ions and Aromatic Silyl Anions, Spectroscopic and Chemical Studies,
AD-A158 308/7 **25**-*557,902* PC **A02**/MF **A01**

SILENE/METHYL

Photolysis of Dodecamethylcyclohexasilane: Formation of Both Methylsilene and Dimethylsilylene.
AD-A151 519/6 **12**-*526,658* PC **A02**/MF **A01**

SILICA

Aqueous Inorganic Phase Equilibria at High Temperatures: Some Experimental, Theoretical, and Applied Aspects.
DE84016701 **02**-*503,552* PC **A02**/MF **A01**

Metal Atom Diffusion in Amorphous Silica and at the Silica Surface. Final Report.
DE84017351 **04**-*509,353* PC **A02**/MF **A01**

Laser Processing of Ceramics. Report of Recent Research, August 1, 1983-July 31, 1984.
DE85001184 **09**-*519,346* PC **A08**/MF **A01**

Desorption Efficiencies of Vapor Phase Polynuclear Aromatic Compounds on Solid Adsorbents.
DE85001303 **04**-*508,807* PC **A03**/MF **A01**

High Temperature Aqueous Solutions and Energy Considerations - Physical Chemical Studies.
DE85001544 **05**-*511,232* PC **A02**/MF **A01**

High Temperature Corrosion of Ceramics. Progress Report, June 15, 1983-June 14, 1984.
DE85002179 **06**-*513,512* PC **A05**/MF **A01**

Organic Complexant-Enhanced Mobility of Toxic Elements in Low-Level Wastes.
DE85002375 **07**-*515,410* PC **A02**/MF **A01**

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DE85003375 **15**-*533,550* PC **A03**/MF **A01**

Pollution Control in Coal Gasification. Third Quarterly Report, January 1, 1982-March 31, 1982.
DE85003376 **15**-*533,551* PC **A03**/MF **A01**

Ion Implantation Damage Processes in Nuclear Waste Glass and Other Silicate Glasses.
DE85004170 **09**-*520,024* PC **A02**/MF **A01**

Gas-Surface Study of Contaminant Reactions in Combustion. Covering the Period: September 26, 1983-September 26, 1984.
DE85004569 **21**-*549,179* PC **A05**/MF **A01**

Coupled Diffusion Phenomena. Final Report.
DE85005478 **11**-*524,424* PC **A02**/MF **A01**

Characterization of Supported Metal Catalysts by Imaging, Microdiffraction and Microanalysis Techniques.
DE85005567 **11**-*524,017* PC **A02**/MF **A01**

Properties of Lanthanide Oxides as Supports for Transition Metal Catalysts. Progress Report, May 1, 1984-April 30, 1985.
DE85006486 **11**-*524,030* PC **A03**/MF **A01**

Promotion Effects on the Synthesis of Higher Alcohols. Tenth Quarterly Report, October-December 1984.
DE85006665 **13**-*530,615* PC **A02**/MF **A01**

Local Structure of Metal Atoms in Silica and Silicates. Progress Report, May 15-December 1, 1984.
DE85007071 **12**-*527,066* PC **A02**/MF **A01**

Nuclear Radiation Induced Absorption in Optical Materials.
DE85007128 **12**-*527,954* PC **A03**/MF **A01**

Nuclear-Radiation-Induced Absorption in Optical Materials.
DE85007226 **12**-*527,955* PC **A02**/MF **A01**

Dendritic Growth from Amorphous Matrix.
DE85007630 **13**-*530,305* PC **A04**/MF **A01**

Model for the Growth of Fractal Silica Polymers.
DE85007884 **14**-*531,898* PC **A02**/MF **A01**

Silica Problem in the Design of Geothermal Power Plants.
DE85008245 **13**-*529,339* PC **A03**/MF **A01**

Numerical Studies of Silica Precipitation/Dissolution.
DE85008511 **15**-*533,891* MF **A01**

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DE85010680 **22**-*551,816* PC **A08**/MF **A01**

FTIR Studies of Hydrocarbon Synthesis on Pd/ZSM5 Catalysts. Quarterly Progress Report.
DE85012430 **21**-*549,201* PC **A02**/MF **A01**

High Damage Threshold Porous Silica Antireflective Coating.
DE85012924 **22**-*550,393* PC **A02**/MF **A01**

Trifunctional Catalysts for Conversion of Syngas to Alcohols. Third Quarterly Report, March 1-May 31, 1985.
DE85013127 **21**-*549,207* PC **A02**/MF **A01**

Pulse Duration Dependence of 1064-nm Laser Damage Thresholds of Porous Silica Antireflection Coatings on Fused Silica Substrates.
DE85013207 **22**-*551,171* PC **A02**/MF **A01**

High Temperature Corrosion of Ceramics. Progress Report, June 15, 1984-June 14, 1985.
DE85013481 **21**-*546,106* PC **A04**/MF **A01**

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DE85013976 **26**-*561,719* PC **A03**/MF **A01**

Improved Catalysts for Coal Liquefaction. Quarterly Report No. 3, March 1-May 31, 1985.
DE85014156 **24**-*557,114* PC **A02**/MF **A01**

Physical Property Changes of a Lithia-Alumina-Silica Based Glass as a Function of Composition.
DE85015610 **24**-*557,044* PC **A03**/MF **A01**

Reaction Calorimetry for Coal Chemistry and Catalysis. Final Report, August 1, 1982-July 30, 1985.
DE85015816 **26**-*561,970* PC **A03**/MF **A01**

Chemistry and Morphology of Coal Liquefaction. Quarterly Report, January 1, 1985-March 31, 1985.
DE85016496 **25**-*559,910* PC **A02**/MF **A01**

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DE85016507 **25**-*559,912* PC **A02**/MF **A01**

Nickel Oxide Morphology in Nickel-Silica Catalysts.
DE85016963 **26**-*560,495* PC **A02**/MF **A01**

Molecular Dynamic Study of Defects Created by Irradiation in Vitreous Silica.
DE85752054 **26**-*560,893* PC **A02**/MF **A01**

Fluorescence Emission by Molecular Impurities in Irradiated and Non-Irradiated Silica.
DE85752056 **26**-*561,519* PC **A02**/MF **A01**

Method for Removing Oxide Contamination from Silicon Carbide Powders.
PAT-APPL-6-636 658 **21**-*547,777* PC **A02**/MF **A01**

SILICA GEL

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DE84016142 **02**-*505,173* PC **A03**/MF **A01**

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DE84017103 **02**-*503,568* PC **A04**/MF **A01**

High-Resolution Electron Microscopy Study of Silica Aerogel Transparent Insulation.
DE85007124 **13**-*529,509* PC **A02**/MF **A01**

Reaction Calorimetry for Coal Chemistry and Catalysis. Quarterly Report, November 1, 1984-January 31, 1985.
DE85007166 **13**-*530,633* PC **A02**/MF **A01**

Relationships Between the Sol to Gel and Gel to Glass Conversions: 2. Structure of Gels-During Densification.
DE85009338 **15**-*533,977* PC **A03**/MF **A01**

Structure and Chemistry of Sol-Gel Derived Transparent Silica Aerogel.
DE85009902 **19**-*543,159* PC **A02**/MF **A01**

Reaction Calorimetry for Coal Chemistry and Catalysis. Quarterly Report, February 1, 1985-April 30, 1985.
DE85010144 **20**-*547,057* PC **A02**/MF **A01**

Cleanup of Savannah River Plant Solvent Using Solid Sorbents.
DE85010592 **17**-*539,192* PC **A03**/MF **A01**

Chemical Transformation of Polycyclic Aromatic Hydrocarbons Vapor-Adsorbed on Coal Stack Ash.
DE85013681 **23**-*552,458* PC **A02**/MF **A01**

Reaction Calorimetry for Coal Chemistry and Catalysis. Final Report, August 1, 1982-July 30, 1985.
DE85015816 **26**-*561,970* PC **A03**/MF **A01**

Silica Aerogel Detector (SAD) Story.
N85-31485/4 **23**-*553,836* PC **A03**/MF **A01**

SILICA GLASS

Downdraw Extrusion of ULE(TM) Glass.
AD-A153 783/6 **18**-*536,328* PC **A06**/MF **A01**

Optical Contacting for Gravity Probe Star Tracker.
N85-10819/9 **03**-*507,350* PC **A02**/MF **A01**

SILICATE CEMENTS

Effect of Microsilica on the Durability on Concrete Structures.
PB85-122927 **04**-*509,722* PC **E05**/MF **E05**

SILICATE MINERALS

Cation Dopant Effects on the Lattice Thermal Expansion of Cordierite. Progress Report, November 1, 1983-October 31, 1984.
DE85003991 **09**-*518,979* PC **A03**/MF **A01**

Loudounite, a New Zirconium Silicate Mineral from Virginia.
PB85-202638 **18**-*540,475* Not available NTIS

SILICATE REFRACTORIES

Development of Potassium Aluminosilicate Ceramics for MHD (Magnetohydrodynamics) Application.
PB85-230845 **23**-*553,130* Not available NTIS

SILICATE/TETRAETHYLORTHO

Elastomeric Properties of Bimodal Networks Prepared by a Simultaneous Curing-Filling Technique.
AD-A158 491/1 **25**-*558,488* PC **A02**/MF **A01**

SILICATES

Catalytic Oxidation by Transition Metal Ions in Zeolites.
AD-A146 828/9 **02**-*503,507* PC **A02**/MF **A01**

Enrichment of Structural Aluminum at the External Surface of Ultrastable Zeolite-Y,
AD-A147 456/8 **03**-*505,839* Not available NTIS

Self-Radiation Damage in Actinide Host Phases of Nuclear Waste Forms.
DE85004555 **11**-*525,098* PC **A02**/MF **A01**

Model for the Growth of Fractal Silica Polymers.
DE85007884 **14**-*531,898* PC **A02**/MF **A01**

Metal-Silicate Relationships in Differentiated Meteorites.
N84-34384/7 **01**-*500,144* PC **A02**/MF **A01**

Impact Cratering: The Process and Its Effects on Planetary Evolution.
N85-11488/2 **04**-*508,021* PC **A02**/MF **A01**

Dynamic Crystallization of Silicate Melts.
N85-14774/2 **08**-*516,483* PC **A03**/MF **A01**

Tectosilicates--New Data on Processing, Physical and Electronic Properties, and Chemical Durability.
PB85-222263 **21**-*548,114* Not available NTIS

Thermodynamic Activity and Vapor Pressure Models for Silicate Systems Including Coal Slags.
PB85-222362 **21**-*548,116* Not available NTIS

Analysis of Silicates, Ores, Slags, and Other Materials by X-ray-Fluorescence Spectrometry Laboratory Method No. 0/24,
PB85-232403 **23**-*552,567* PC **E03**/MF **E01**

SILICIDES

Electronic Transport Processes in Refractory Metal Silicides.
AD-A146 495/7 **01**-*502,622* PC **A02**/MF **A01**

Preparation and Electronic Properties of MoS(2) and WS(2) Single Crystals Grown in the Presence of Cobalt.
AD-A146 508/7 **01**-*502,356* PC **A02**/MF **A01**

Studies of Silicon-Refractory Metal Interfaces: Photoemission Study of Interface Formation and Compound Nucleation.
AD-A150 075/0 **09**-*520,698* PC **A05**/MF **A01**

Thin Films Properties of Sputtered Niobium Silicide on SiO2, Si3N4 and on N+ Poly-Si.
AD-A152 378/6 **14**-*531,449* PC **A02**/MF **A01**

Refractory Metal Silicides: Thin-Film Properties and Processing Technology.
AD-A152 449/5 **14**-*531,818* PC **A02**/MF **A01**

Oxide Barriers to the Formation of Refractory Silicides.
AD-A152 931/2 **15**-*534,011* PC **A02**/MF **A01**

Simultaneous Formation of a Shallow Silicon p-n Junction and a Shallow Silicide Silicon Ohmic Contact by an Ion Implantation Technique.
AD-A154 267/9 **17**-*537,880* PC **A02**/MF **A01**

Extension of the Engel-Brewer Metallic Correlation to Transition Metal Silicides,
AD-A158 294/9 **25**-*559,774* PC **A03**/MF **A01**

Atomic Model for Some Properties of Transition Metal Silicides.
AD-A158 320/2 **25**-*559,776* PC **A04**/MF **A01**

Upper Critical Fields in RE sub 2 Fe sub 3 Si sub 5 (RE = Y, Sc, Lu) Compounds.
DE85003038 **08**-*518,156* PC **A02**/MF **A01**

Silicon-Containing Protective Coatings of the Composition Ni sub 4 Cr sub 2 Msub(Refr.0.5)Sisub(3.5).
DE85770047 **20**-*545,472* PC **A07**/MF **A01**

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PB85-872596 **26**-*560,905* PC **N01**/MF **N01**

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Thermodynamics and Phase Equilibria in the Vandium-Silicon System.
AD-A145 870/2 **01**-*500,968* PC **A02**/MF **A01**

Novel Transport and Recombination Processes in Semiconductors.
AD-A145 969/2 **01**-*502,608* PC **A04**/MF **A01**

Study of Defects in Neutron Transmutation Doped Silicon: Gallium by Hall Effect Analysis.
AD-A146 047/6 **01**-*502,612* PC **A04**/MF **A01**

Application of a Silicon Compiler to VLSI (Very Large Scale Integrated Circuits) Design of Digital Pipelined Multipliers.
AD-A146 328/0 **01**-*501,301* PC **A07**/MF **A01**

Research on Submicrometer Structures - Fabrication Technology and Interdisciplinary Applications.
AD-A146 488/2 **01**-*502,621* PC **A02**/MF **A01**

Specialized Silicon Compilers for Language Recognition.
AD-A146 526/9 **01**-*501,314* PC **A06**/MF **A01**

Optical Properties of Composite Materials.
AD-A146 768/7 **02**-*505,083* PC **A02**/MF **A01**

Effects of Ionizing Radiation on SOI/CMOS Devices Fabricated in Zone-Melting-Recrystallized Si Films on SiO2.
AD-A146 975/8 **02**-*503,763* PC **A02**/MF **A01**

Dual Ion Implantation Technique for Formation of Shallow p(+)/n Junctions in Silicon.
AD-A147 048/3 **02**-*505,092* PC **A02**/MF **A01**

Electronic Structure and Total-Energy Migration Barriers of Silicon Self-Interstitials.
AD-A147 059/0 **02**-*505,093* PC **A02**/MF **A01**

Silicon Self-Interstitial Migration: Multiple Paths and Charge States.
AD-A147 079/8 **02**-*505,095* PC **A02**/MF **A01**

Ion Implantation Technique for Simultaneous Formation of a Shallow Silicon p-n Junction and a Shallow Silicide-Silicon Ohmic Contact.
AD-A147 132/5 **02**-*505,097* PC **A02**/MF **A01**

Damage Induced in Si by Ion Milling or Reactive Ion Etching.
AD-A147 162/2 **02**-*503,768* PC **A02**/MF **A01**

Graphite-Strip-Heater Zone-Melting Recrystallization of Si Films.
AD-A147 189/5 **02**-*504,850* PC **A03**/MF **A01**

Calculations of High-Current Characteristics of Silicon Diodes at Microwave Frequencies.
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DE85700580 **19**-*542,804* PC **A02**/MF **A01**

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DE85700635 **20**-*546,485* PC **A02**/MF **A01**

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DE85701570 **24**-*557,049* PC **A02**/MF **A01**

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DE85701749 **25**-*559,568* PC **A02**/MF **A01**

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PB85-159135 **11**-*524,046* PC **E04**/MF **E01**

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PB85-177921 **12**-*527,500* PC **A03**/MF **A01**

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PB85-182814 **15**-*533,591* Not available NTIS

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DE84702325 **02**-*503,575* PC **A09**/MF **A01**

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DE85780743 **16**-*536,843* PC **A04**/MF **A01**

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DE85005260 **11**-*525,474* PC **A02**/MF **A01**

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DE85007847 **13**-*530,457* PC **A02**/MF **A01**

SILICON 28 TARGET

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DE84703119 **08**-*517,935* PC **A03**/MF **A01**

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DE85780029 **10**-*523,023* PC **A06**/MF **A01**

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DE85780307 **15**-*534,970* PC **A07**/MF **A01**

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DE85780315 **16**-*536,838* PC **A06**/MF **A01**

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DE85780743 **16**-*536,843* PC **A04**/MF **A01**

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DE85012196 **24**-*555,304* PC **A05**/MF **A01**

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DE81700462 **20**-*546,624* PC **A03**/MF **A01**

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DE84017592 **03**-*507,412* PC **A02**/MF **A01**

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DE84751393 **02**-*505,016* PC **A07**/MF **A01**

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DE85751333 **20**-*546,784* PC **A02**/MF **A01**

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AD-A148 240/5 **05**-*511,455* PC **A03**/MF **A01**

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AD-A146 441/1 **01**-*500,953* PC **A03**/MF **A01**

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AD-A146 640/8 **01**-*501,039* PC **A03**/MF **A01**

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AD-A149 339/4 **08**-*517,732* PC **A04**/MF **A01**

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AD-A150 689/8 **11**-*524,507* PC **A02**/MF **A01**

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AD-A150 970/2 **11**-*524,450* PC **A02**/MF **A01**

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AD-A152 047/7 **13**-*530,538* PC **A08**/MF **A01**

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AD-A152 379/4 **14**-*531,450* PC **A02**/MF **A01**

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AD-A152 448/7 **14**-*531,455* PC **A02**/MF **A01**

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AD-A157 111/6 **23**-*553,152* PC **A03**/MF **A01**

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AD-A158 565/2 **25**-*557,936* PC **A02**/MF **A01**

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DE84017459 **03**-*506,375* PC **A02**/MF **A01**

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DE84770525 **09**-*519,367* PC **A07**/MF **A01**

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DE85000936 **04**-*509,356* PC **A02**/MF **A01**

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DE85000981 **05**-*511,672* PC **A02**/MF **A01**

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DE85001543 **05**-*511,650* PC **A02**/MF **A01**

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DE85002301 **06**-*513,513* PC **A03**/MF **A01**

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DE85002454 **06**-*513,542* PC **A02**/MF **A01**

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DE85003550 **08**-*516,842* PC **A02**/MF **A01**

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DE85003712 **08**-*516,843* PC **A02**/MF **A01**

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DE85003809 **08**-*516,851* PC **A03**/MF **A01**

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DE85004394 **09**-*519,917* PC **A08**/MF **A01**

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DE85004797 **11**-*524,418* PC **A02**/MF **A01**

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DE85005239 **13**-*529,457* PC **A02**/MF **A01**

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DE85007550 **13**-*529,458* PC **A02**/MF **A01**

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DE85007565 **13**-*529,459* PC **A03**/MF **A01**

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DE85008091 **14**-*532,768* PC **A07**/MF **A01**

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DE85008846 **17**-*537,605* PC **A03**/MF **A01**

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DE85009634 **20**-*544,921* PC **A02**/MF **A01**

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DE85010229 **17**-*538,192* PC **A11**/MF **A01**

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DE85015528 **25**-*558,373* PC **A04**/MF **A01**

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DE85015587 **26**-*560,906* PC **A03**/MF **A01**

Improvements in the Fabrication of Ceramic-Fiber-Ceramic-Matrix Composites by Chemical Vapor Infiltration.
DE85015971 **25**-*558,396* PC **A03**/MF **A01**

Analytical Electron Microscopy of Surface Modified Ceramics.
DE85016309 **26**-*560,886* PC **A02**/MF **A01**

Occurrence and Behavior of Dislocations During Plastic Deformation of Selected Transition Metal and Silicon Carbides.
DE85016358 **26**-*560,887* PC **A02**/MF **A01**

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DE85016402 **26**-*560,907* PC **A02**/MF **A01**

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DE85700217 **11**-*525,642* PC **A02**/MF **A01**

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DE85700297 **17**-*539,482* PC **A02**/MF **A01**

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DE85701093 **25**-*559,311* PC **A02**/MF **A01**

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DE85750071 **11**-*525,287* PC **A04**/MF **A01**

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DE85750463 **09**-*519,351* PC **A05**/MF **A01**

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DE85751611 **20**-*545,459* PC **A04**/MF **A01**

Development and Fabrication of Refractory Bodies for Gas Turbine Engines.
DE85752111 **22**-*550,385* PC **A04**/MF **A01**

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DE85752226 **22**-*550,386* PC **A07**/MF **A01**

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N84-33593/4 **01**-*501,504* PC **A02**/MF **A01**

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N84-34574/3 **02**-*504,049* PC **A02**/MF **A01**

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N85-10130/1 **03**-*506,379* PC **A02**/MF **A01**

Silicon Nitride Sintered Body.
N85-10131/9 **03**-*506,380* PC **A02**/MF **A01**

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N85-10220/0 **03**-*506,659* PC **A02**/MF **A01**

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N85-10221/8 **03**-*506,748* PC **A02**/MF **A01**

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N85-12161/4 **06**-*513,518* PC **A03**/MF **A01**

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N85-12899/9 **07**-*515,686* PC **A04**/MF **A01**

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N85-13010/2 **07**-*514,960* PC **A02**/MF **A01**

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N85-14878/1 **09**-*519,374* PC **A02**/MF **A01**

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N85-14879/9 **09**-*519,369* PC **A03**/MF **A01**

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N85-24991/0 **17**-*537,702* PC **A02**/MF **A01**

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PAT-APPL-6-643 327 **02**-*504,863* PC **A02**/MF **A01**

Dispersion Toughened Ceramic Composites and Method for Making Same.
PAT-APPL-6-655 488 **19**-*543,196* PC **A02**/MF **A01**

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DE85900133 **08**-*516,356* PC **A02**/MF **A01**

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AD-A146 447/8 **01**-*501,257* PC **A02**/MF **A01**

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AD-A148 562/2 **05**-*512,439* PC **A03**/MF **A01**

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AD-A150 304/4 **10**-*523,091* PC **A04**/MF **A01**

Effects of Ethylamine Catalyst Concentration in the Precipitation of Reinforcing Silica Filler in an Elastomeric Network.
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AD-A156 609/0 **22**-*550,281* PC **A02**/MF **A01**

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AD-A157 765/9 **24**-*555,267* PC **A02**/MF **A01**

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N85-30138/0 **22**-*550,395* PC **A03**/MF **A01**

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AD-A154 268/7 **17**-*538,108* PC **A02**/MF **A01**

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AD-A157 532/3 **23**-*553,122* PC **A08**/MF **A01**

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DE85016402 **26**-*560,907* PC **A02**/MF **A01**

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DE85751610 **21**-*548,108* PC **A05**/MF **A01**

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Development and Production of Improved alpha-Phase Silicon Nitride Powders for Hot Pressing and Sintering.
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N85-21358/5 **14**-*531,829* PC **A02**/MF **A01**

Radiographic Detectability Limits for Seeded Voids in Sintered Silicon Carbide and Silicon Nitride.
N85-21674/5 **14**-*531,830* PC **A02**/MF **A01**

Ammonia Formation Caused by the Presence of Water in the Wet Grinding of Silicon Nitride Powder.
N85-23937/4 **17**-*537,612* PC **A02**/MF **A01**

Investigation of Silicon Surface Passivation by Silicon Nitride Film Deposition.
N85-25938/0 **18**-*541,252* PC **A04**/MF **A01**

Preparation of Silicon Carbide-Silicon Nitride Fibers by the Pyrolysis of Polycarbosilazane Precursors.
N85-28107/9 **20**-*545,460* PC **A02**/MF **A01**

Development of High Temperature Resistant, Noncorrosible, Non-Metallic Ceramic Materials, Especially Silicon Nitride in Gas Turbine Application.
N85-28125/1 **20**-*545,462* PC **A05**/MF **A01**

High Temperature Fracture Mechanics of Silicon Nitride.
N85-28433/9 **20**-*545,464* PC **A05**/MF **A01**

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N85-29066/6 **21**-*548,109* PC **A05**/MF **A01**

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N85-31061/3 **23**-*554,508* PC **A02**/MF **A01**

Reliability of Void Detection in Structural Ceramics Using Scanning Laser Acoustic Microscopy.
N85-32337/6 **24**-*555,711* PC **A04**/MF **A01**

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PB85-170405 **12**-*527,413* PC **E06**/MF **E06**

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PB85-203677 **18**-*539,757* PC **E04**/MF **E01**

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DE82010060 **24**-*556,673* PC **A02**/MF **A01**

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AD-A147 108/5 **02**-*503,754* PC **A02**/MF **A01**

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AD-A147 720/7 **04**-*510,374* PC **A02**/MF **A01**

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N84-33638/7 **01**-*502,086* PC **A02**/MF **A01**

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N84-33712/0 **01**-*501,270* PC **A02**/MF **A01**

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N85-12279/4 **06**-*513,977* PC **A02**/MF **A01**

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AD-A146 508/7 **01**-*502,356* PC **A02**/MF **A01**

Growth of Large Diameter Single Crystals by Vertical Solidification of the Melt.
AD-A148 756/0 **06**-*514,056* PC **A03**/MF **A01**

Temperature Compensated Piezoelectric Materials.
AD-A149 218/0 **08**-*516,567* PC **A04**/MF **A01**

Cyclotron Resonance of Si(001) Inversion Layers.
AD-A152 458/6 **14**-*532,704* Not available NTIS

Single-Crystal GaAs Films on Amorphous Substrates by the CLEFT Process.
AD-A152 929/6 **15**-*534,731* PC **A02**/MF **A01**

Raman Spectroscopic Study of Acetylene on Supported Rhodium Catalysts.
AD-A153 171/4 **15**-*533,519* Not available NTIS

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AD-A153 399/1 **15**-*533,545* Not available NTIS

Efficient Si Solar Cells by Low-Temperature Solid-Phase Epitaxy.
AD-A153 438/7 **16**-*536,086* PC **A02**/MF **A01**

Preparation of Well-Defined Surfaces at Atmospheric Pressure: Studies by Electrochemistry and LEED of Pt(100) Pretreated with Iodine.
AD-A153 867/7 **16**-*535,833* PC **A02**/MF **A01**

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AD-A154 089/7 **17**-*539,260* PC **A04**/MF **A01**

Low-Dislocation-Density GaAs Epilayers Grown on Ge-Coated Si Substrates by Means of Lateral Epitaxial Overgrowth.
AD-A154 282/8 **17**-*539,262* PC **A02**/MF **A01**

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AD-A154 870/0 **18**-*541,315* PC **A03**/MF **A01**

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AD-A156 640/5 **22**-*551,759* PC **A02**/MF **A01**

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AD-A157 084/5 **23**-*553,545* PC **A02**/MF **A01**

Summary Abstract: Thermally Activated Etching of InP Substrates for MOCVD (Metalorganic Chemical Vapor Deposition).
AD-A157 139/7 **23**-*554,155* PC **A02**/MF **A01**

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AD-A157 419/3 **23**-*554,163* Not available NTIS

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N84-33563/7 **01**-*502,752* PC **A02**/MF **A01**

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N84-34023/1 **01**-*501,072* PC **A05**/MF **A01**

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N85-10165/7 **03**-*506,438* PC **A11**/MF **A01**

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N85-11221/7 **04**-*509,428* PC **A11**/MF **A01**

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N85-11223/3 **04**-*509,430* PC **A05**/MF **A01**

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N85-11862/8 **04**-*510,538* PC **A03**/MF **A01**

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N85-12147/3 **06**-*513,597* PC **A02**/MF **A01**

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N85-18073/5 **12**-*527,902* PC **A03**/MF **A01**

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N85-19074/2 **13**-*529,494* PC **A03**/MF **A01**

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N85-22660/3 **15**-*534,032* PC **A02**/MF **A01**

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N85-23101/7 **15**-*535,122* PC **A04**/MF **A01**

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N85-30935/9 **22**-*551,254* PC **A03**/MF **A01**

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N85-31073/8 **23**-*554,166* PC **A05**/MF **A01**

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PAT-APPL-6-645 468 **04**-*509,186* PC **A02**/MF **A01**

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PAT-APPL-6-674 395 **15**-*534,742* PC **A02**/MF **A01**

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PAT-APPL-6-690 284 **13**-*529,123* PC **A02**/MF **A01**

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PATENT-4 410 822 **14**-*531,651* Not available NTIS

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PATENT-4 495 044 **15**-*533,991* Not available NTIS

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PATENT-4 499 395 **15**-*533,786* Not available NTIS

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PB85-227981 **22**-*551,256* PC **E04**/MF **E01**

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Note on the Use of Polynomial Transformations in Evaluating Singular Integrals.
N85-22053/1 **14**-*531,941* PC **A02**/MF **A01**

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DE84016488 **09**-*519,466* PC **A02**/MF **A01**

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DE85006977 **13**-*529,562* PC **A02**/MF **A01**

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PB85-117497 **03**-*506,559* PC **E04**/MF **E04**

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N85-10006/3 **03**-*505,274* PC **A03**/MF **A01**

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N85-10301/8 **03**-*507,306* PC **A02**/MF **A01**

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N85-27282/1 **19**-*544,014* PC **A04**/MF **A01**

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DE85005101 **11**-*524,420* PC **A11**/MF **A01**

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N85-10221/8 **03**-*506,748* PC **A02**/MF **A01**

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N85-12160/6 **06**-*513,517* PC **A02**/MF **A01**

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N85-12161/4 **06**-*513,518* PC **A03**/MF **A01**

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AD-A148 166/2 **04**-*508,505* PC **A03**/MF **A01**

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AD-P004 533/6 **15**-*535,263* PC **A02**/MF **A01**

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AD-P004 536/9 **15**-*535,265* PC **A02**/MF **A01**

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N85-12087/1 **06**-*514,294* PC **A03**/MF **A01**

Space Shuttle Booster Thrust Imbalance Analysis.
N85-21241/3 **14**-*532,861* PC **A03**/MF **A01**

Alternate Nozzle Ablative Materials Program.
N85-23924/2 **17**-*539,628* PC **A10**/MF **A01**

Carbon/Carbon Rocket Motor Exit Cone Reinforcement.
PATENT-4 477 024 **03**-*507,861* Not available NTIS

Integrated Insulation Wall Assembly.
PATENT-4 495 764 **11**-*525,808* Not available NTIS

Aldring av Raketmotorer (Ageing of Rocket Motors),
PB85-234029 **23**-*554,519* PC **E04**/MF **E01**

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Critical Analysis of Nitramine Decomposition Data. Preliminary Comments on Autoacceleration and Autoinhibition in HMX and RDX Decomposition.
AD-A146 570/7 **01**-*502,317* PC **A03**/MF **A01**

Effects of Perforation L/D Ratio and Slotting on Stick Propellant Combustion.
AD-A148 854/3 **07**-*515,490* PC **A03**/MF **A01**

Gas Gun Impact Tester for Solid Gun Propellants.
AD-A149 712/2 **09**-*520,173* PC **A03**/MF **A01**

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AD-A150 458/8 **10**-*523,198* F **A14**/MF **A01**

Application of Atomic Fluorescence to Measurement of Combustion Temperature in Solid Propellants.
AD-A150 733/4 **11**-*525,809* PC **A03**/MF **A01**

Imbedded Thermocouples as a Solid Propellant Combustion Probe.
AD-A155 630/7 **19**-*544,320* PC **A03**/MF **A01**

Closed-Bomb Combustion of Hivelite-Based, Very High Burn Rate (VHBR) Propellant.
AD-A155 740/4 **19**-*544,321* PC **A06**/MF **A01**

Hot Ball and Socket Thrust Vector Control.
AD-B064 268/6 **10**-*523,199* PC **A08**/MF **A01**

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AD-B066 263/5 **10**-*523,203* PC **A03**/MF **A01**

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AD-B072 071/4 **10**-*522,272* PC **A09**/MF **A01**

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AD-P004 343/0 **07**-*515,698* PC **A02**/MF **A01**

Antiplane Cracks in Solid Propellants,
AD-P004 344/8 **07**-*515,699* PC **A02**/MF **A01**

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AD-P004 438/8 **12**-*527,865* PC **A02**/MF **A01**

Base Bleed Solid Propellants Containing Thermoplastic Elastomers as Binders,
AD-P004 448/7 **12**-*527,156* PC **A02**/MF **A01**

Status of Boron Combustion Research,
AD-P004 521/1 **15**-*535,274* PC **A02**/MF **A01**

Combustion of Zirconium Carbide,
AD-P004 525/2 **15**-*535,135* PC **A02**/MF **A01**

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AD-P004 538/5 **15**-*535,278* PC **A02**/MF **A01**

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AD-P004 540/1 **15**-*534,705* PC **A02**/MF **A01**

Multiple Reflection Theory for Microwave Measurement of Solid Propellant Burning Rates,
AD-P004 541/9 **15**-*535,280* PC **A02**/MF **A01**

Effects of HMX Addition on the Combustion of Energetic Binders,
AD-P004 556/7 **15**-*534,712* PC **A02**/MF **A01**

Maximum TNT Equivalence of Naval Propellants,
AD-P004 886/8 **23**-*554,100* PC **A02**/MF **A01**

Catalyzed Low Burning Rate Propellants for Upper-Stage Solid Rocket Motor.
N85-12181/2 **06**-*514,297* PC **A02**/MF **A01**

Combustion Properties of Fuel-Rich Magnesium Propellants with HTPB as Binder.
N85-15924/2 **10**-*523,133* PC **A03**/MF **A01**

Eine Zweistufenbombe Zur Messung der Entflammbarkeit von Treibladungspulvern (A Two-Step Bomb to Determine the Inflammability of Propellant Charge Powders).
N85-24026/5 **17**-*539,237* PC **A02**/MF **A01**

Komponenten der Verbrennungsgase von Treibladungspulvern Nach Umsetzung in der Hochdruckbombe im Druckbereich Bis 1000 Mpa. Teil 1: Nitroglycerinpulver Gb PA 125 (Components of the Combustion Gases of Propellant Charge Powders after Reaction in the High Pressure Bomb in the Pressure Range Up to 1000 Mpa. Part 1: Nitroglycerine Powder Gb PA 125).
N85-24027/3 **17**-*539,238* PC **A02**/MF **A01**

Technische Gebruiksaanwijzing voor Het Regel/Bedieningssysteem van de Gastoevoerinstallatie voor de Vaste Brandstof Verbrandingskamer (Technical Instructions for a Control Operating System of the Gas Flow Installation for the Solid Fuel Combustion Chamber).
N85-29302/5 **21**-*549,183* PC **A11**/MF **A01**

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PAT-APPL-6-749 335 **23**-*554,520* PC **A02**/MF **A01**

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PATENT-4 440 687 **01**-*502,757* Not available NTIS

Azido Nitramino Ether Containing Solid Propellants.
PATENT-4 482 404 **11**-*525,812* Not available NTIS

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PB85-231934 **23**-*554,335* PC **E04**/MF **E04**

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PB85-234029 **23**-*554,519* PC **E04**/MF **E01**

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Study of HTPB-Based SOFRAM Fuels.
N85-20150/7 **14**-*532,856* PC **A04**/MF **A01**

SOLID ROCKET FUELS

Potential of Titanate Coupling Agents in Solid Rocket Fuel Systems,
AD-P004 454/5 **12**-*528,261* PC **A02**/MF **A01**

SOLID ROCKET PROPELLANT BINDERS

Thermophysical Property Testing Using Transient Techniques.
AD-A147 085/5 **02**-*505,232* PC **A04**/MF **A01**

Amine Salts as Bonding Agents.
PATENT-4 493 741 **11**-*525,819* Not available NTIS

SOLID ROCKET PROPELLANT PLASTICIZERS

Propellant Plasticizer.
PATENT-4 482 406 **11**-*525,813* Not available NTIS

Plasticizer System for Propellant Compositions.
PATENT-4 482 407 **11**-*525,814* Not available NTIS

Plasticizer System for Propellant Compositions.
PATENT-4 482 408 **11**-*525,815* Not available NTIS

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PATENT-4 482 409 **11**-*525,816* Not available NTIS

Plasticizer System for Propellant Compositions.
PATENT-4 482 410 **11**-*525,817* Not available NTIS

Plasticizer System for Propellant Compositions.
PATENT-4 482 411 **11**-*525,818* Not available NTIS

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Combustion Dynamics in Rockets.
AD-A148 478/1 **05**-*512,541* PC **A03**/MF **A01**

Fuel-Rich Solid Propellant Boron Combustion.
AD-A148 522/6 **05**-*512,640* PC **A02**/MF **A01**

Analysis of Shock to Detonation Transition (SDT) of Porous High Energy Propellant from Ramp-Wave Compression Loading.
AD-A149 333/7 **08**-*518,308* PC **A06**/MF **A01**

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AD-A151 282/1 **12**-*528,258* PC **A05**/MF **A01**

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AD-A153 206/8 **15**-*535,258* PC **A08**/MF **A01**

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AD-A153 546/7 **16**-*536,992* PC **A03**/MF **A01**

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AD-A156 088/7 **21**-*549,248* PC **A09**/MF **A01**

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AD-A156 752/8 **22**-*551,845* PC **A05**/MF **A01**

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AD-A158 559/5 **25**-*559,836* PC **A02**/MF **A01**

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AD-P004 340/6 **07**-*515,695* PC **A02**/MF **A01**

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AD-P004 345/5 **07**-*515,700* PC **A02**/MF **A01**

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AD-P004 349/7 **07**-*515,701* PC **A02**/MF **A01**

Solid Propellant Combustion Diagnostics and Automated Data Retrieval from Holograms,
AD-P004 520/3 **15**-*535,273* PC **A02**/MF **A01**

Investigations of Reactive and Non Reactive Acoustic Boundary Layers in Porous Walled Ducts,
AD-P004 528/6 **15**-*535,259* PC **A02**/MF **A01**

Investigation of the Characteristics of the Velocity-Coupled Response Functions of Solid Propellants,
AD-P004 532/8 **15**-*535,262* PC **A02**/MF **A01**

Distributed Combustion: A Mechanism of Acoustic Suppression,
AD-P004 535/1 **15**-*535,277* PC **A02**/MF **A01**

Effect of Variable Solid Phase Properties on Propellant Combustion,
AD-P004 539/3 **15**-*535,279* PC **A02**/MF **A01**

In-Situ Burning Rate Determination Using Flash Radiography,
AD-P004 542/7 **15**-*535,266* PC **A02**/MF **A01**

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AD-P004 554/2 **15**-*535,281* PC **A02**/MF **A01**

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N85-14863/3 **09**-*520,174* PC **A04**/MF **A01**

Azido Nitramino Ethers.
PATENT-4 440 687 **01**-*502,757* Not available NTIS

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PATENT-4 441 942 **01**-*502,758* Not available NTIS

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PATENT-4 523 475 **26**-*562,057* Not available NTIS

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PB85-127942 **05**-*512,638* PC **E04**/MF **E01**

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PB85-869220 **24**-*557,189* PC **N01**/MF **N01**

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DE85010730 **18**-*541,495* PC **A02**/MF **A01**

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DE85010763 **18**-*541,496* PC **A02**/MF **A01**

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DE85700761 **22**-*551,105* PC **A02**/MF **A01**

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N85-18812/6 **12**-*528,098* PC **A06**/MF **A01**

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N85-20926/0 **14**-*532,729* PC **A10**/MF **A01**

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AD-A156 039/0 **21**-*548,139* PC **A02**/MF **A01**

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DE84770519 **08**-*516,869* PC **A05**/MF **A01**

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DE85006374 **11**-*524,490* PC **A03**/MF **A01**

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N85-13958/2 **08**-*516,903* PC **A07**/MF **A01**

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N85-20006/1 **14**-*531,441* PC **A02**/MF **A01**

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PAT-APPL-6-659 474 **13**-*529,827* PC **A02**/MF **A01**

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PB85-202885 **18**-*540,803* Not available NTIS

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AD-A151 483/5 **12**-*526,653* PC **A02**/MF **A01**

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PB85-205995 **19**-*542,844* Not available NTIS

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N85-12300/8 **06**-*513,472* PC **A09**/MF **A01**

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N85-20246/3 **14**-*531,641* PC **A02**/MF **A01**

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N85-25845/7 **18**-*541,251* PC **A03**/MF **A01**

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PATENT-4 482 778 **15**-*533,951* Not available NTIS

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AD-A146 900/6 **02**-*503,842* PC **A06**/MF **A01**

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AD-A147 891/6 **04**-*509,156* PC **A10**/MF **A01**

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AD-A150 490/1 **10**-*521,914* PC **A02**/MF **A01**

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AD-A153 409/8 **16**-*535,964* PC **A19**/MF **A01**

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AD-A156 612/4 **22**-*550,747* PC **A02**/MF **A01**

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AD-A156 933/4 **22**-*550,925* PC **A03**/MF **A01**

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AD-A158 181/8 **24**-*556,127* PC **A24**/MF **A01**

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AD-A158 208/9 **24**-*555,587* PC **A07**/MF **A01**

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AD-A158 594/2 **25**-*557,271* PC **A02**/MF **A01**

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AD-A158 731/0 **25**-*558,240* PC **A02**/MF **A01**

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AD-A158 820/1 **25**-*558,316* PC **A18**/MF **A01**

Filter Reflection Image Guide Oscillator and Solid State Line Scanning Device.
PAT-APPL-6-679 970 **07**-*514,865* PC **A03**/MF **A01**

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Intense Excitation Source of Blue-Green Laser.
AD-A147 450/1 **03**-*507,322* PC **A02**/MF **A01**

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AD-A153 409/8 **16**-*535,964* PC **A19**/MF **A01**

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AD-A153 718/2 **16**-*536,758* PC **A02**/MF **A01**

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DE85000344 **11**-*525,379* PC **A02**/MF **A01**

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DE85000759 **04**-*510,215* PC **A04**/MF **A01**

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DE85001059 **05**-*512,431* PC **A03**/MF **A01**

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DE85003142 **10**-*522,968* PC **A02**/MF **A01**

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DE85003665 **08**-*517,782* PC **A03**/MF **A01**

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DE85003884 **09**-*520,224* PC **A04**/MF **A01**

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DE85010478 **22**-*551,306* PC **A02**/MF **A01**

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DE85012976 **22**-*551,328* PC **A02**/MF **A01**

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DE85014282 **24**-*556,597* PC **A02**/MF **A01**

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AD-A145 749/8 **01**-*500,958* Not available NTIS

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AD-A146 784/4 **02**-*505,085* Not available NTIS

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DE85007395 **18**-*541,742* PC **A14**/MF **A01**

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DE85008766 **18**-*541,881* PC **A13**/MF **A01**

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DE85701528 **22**-*551,608* PC **A07**/MF **A01**

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DE85701532 **22**-*551,798* PC **A03**/MF **A01**

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DE85000946 **04**-*510,385* PC **A02**/MF **A01**

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DE85015353 **24**-*557,040* PC **A02**/MF **A01**

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DE85700221 **11**-*525,645* PC **A02**/MF **A01**

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AD-A152 123/6 **13**-*529,109* PC **A08**/MF **A01**

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N84-34619/6 **02**-*503,594* PC **A02**/MF **A01**

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N85-26665/8 **19**-*542,067* PC **A03**/MF **A01**

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AD-A156 282/6 **21**-*548,405* PC **A12**/MF **A01**

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AD-A156 283/4 **21**-*548,406* PC **A99**/MF **E03**

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AD-A157 633/9 **23**-*553,413* PC **A13**/MF **A01**

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AD-P004 857/9 **23**-*554,090* PC **A02**/MF **A01**

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DE85702020 **25**-*558,982* PC **A03**/MF **A01**

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PATENT-4 043 668 **02**-*504,489* Not available NTIS

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AD-A146 464/3 **01**-*501,025* PC **A02**/MF **A01**

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AD-A146 894/1 **02**-*503,510* PC **A02**/MF **A01**

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AD-A148 068/0 **04**-*508,759* PC **A02**/MF **A01**

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Fundamental Electrochemical Studies of Polyacetylene.
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AD-A151 515/4 **12**-*527,149* PC **A02**/MF **A01**

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AD-A151 731/7 **13**-*530,333* PC **A07**/MF **A01**

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AD-A151 849/7 **13**-*528,945* PC **A05**/MF **A01**

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AD-A152 113/7 **13**-*528,951* PC **A04**/MF **A01**

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AD-A152 625/0 **14**-*531,471* PC **A02**/MF **A01**

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AD-A155 768/5 **21**-*549,042* PC **A02**/MF **A01**

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DE84752023 **05**-*512,059* PC **A05**/MF **A01**

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N85-27977/6 **20**-*544,999* PC **A02**/MF **A01**

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PB85-194439 **17**-*538,281* PC **E03**/MF **E03**

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AD-A149 192/7 **08**-*516,663* PC **A02**/MF **A01**

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AD-A150 870/4 **11**-*524,864* PC **A05**/MF **A01**

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AD-A151 292/0 **12**-*526,642* PC **A03**/MF **A01**

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AD-A151 588/1 **12**-*527,951* Not available NTIS

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N84-34348/2 **01**-*500,133* PC **A02**/MF **A01**

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N85-10816/5 **03**-*507,380* PC **A02**/MF **A01**

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N85-11927/9 **04**-*508,026* PC **A99**/MF **A01**

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N85-12339/6 **06**-*513,920* PC **A03**/MF **A01**

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N85-14198/4 **08**-*516,627* PC **A02**/MF **A01**

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N85-24235/2 **17**-*537,974* PC **A04**/MF **A01**

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N85-24510/8 **17**-*537,854* PC **A02**/MF **A01**

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N85-25818/4 **18**-*541,334* PC **A09**/MF **A01**

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N85-26837/3 **19**-*543,686* PC **A02**/MF **A01**

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SSF (Synthetic Spectrum Fitting) - A Suite of Programs for Stellar Abundance Analysis.
PB85-228294 **22**-*549,403* PC **E08**/MF **E08**

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PB85-237477 **24**-*556,654* PC **E04**/MF **E04**

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Design of an Analog Spectrum Analyzer for Probing Experiments.
AD-A147 384/2 **03**-*506,917* PC **A04**/MF **A01**

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AD-A148 871/7 **07**-*515,512* PC **A03**/MF **A01**

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PB85-125748 **05**-*512,166* PC **A06**/MF **A01**

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PB85-125987 **05**-*512,167* PC **A04**/MF **A01**

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PB85-125995 **05**-*512,168* PC **A05**/MF **A01**

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PB85-127413 **05**-*512,169* PC **A09**/MF **A01**

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PB85-225076 **22**-*550,936* PC **A06**/MF **A01**

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Pitch Synchronous Transform Coding of Speech at 9.6 Kb/s Based on Vector Quantization.
AD-A146 962/6 **02**-*504,558* PC **A02**/MF **A01**

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AD-A147 230/7 **03**-*506,207* PC **A02**/MF **A01**

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AD-A147 245/5 **03**-*506,873* PC **A02**/MF **A01**

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AD-A147 582/1 **03**-*506,880* PC **A02**/MF **A01**

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AD-A148 180/3 **04**-*509,929* PC **A02**/MF **A01**

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AD-A148 593/7 **06**-*513,986* PC **A06**/MF **A01**

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AD-A149 223/0 **08**-*517,369* PC **A04**/MF **A01**

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DE85004578 **11**-*525,101* PC **A02**/MF **A01**

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DE85014071 **24**-*557,112* PC **A02**/MF **A01**

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PB85-104255 **01**-*502,001* PC **E04**/MF **E01**

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DE84702005 **02**-*503,663* PC **A04**/MF **A01**

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AD-A147 234/9 **03**-*507,285* Not available NTIS

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DE84703094 **08**-*516,960* PC **A02**/MF **A01**

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N85-31559/6 **23**-*554,298* PC **A02**/MF **A01**

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DE84016736 **02**-*504,603* PC **A03**/MF **A01**

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PB85-179521 **15**-*534,188* PC **A03**/MF **A01**

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PB85-174332 **14**-*532,055* PC **A03**/MF **A01**

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DE85751259 **24**-*556,958* PC **A02**/MF **A01**

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DE85781057 **25**-*559,764* PC **A03**/MF **A01**

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DE85781058 **25**-*559,647* PC **A02**/MF **A01**

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N85-18990/0 **13**-*528,292* PC **A02**/MF **A01**

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N85-25848/1 **18**-*540,878* PC **A07**/MF **A01**

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N85-25248/4 **18**-*539,674* PC **A05**/MF **A01**

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DE85781303 **25**-*559,507* PC **A02**/MF **A01**

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DE85781304 **25**-*559,508* PC **A02**/MF **A01**

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N85-29659/8 **21**-*549,135* PC **A02**/MF **A01**

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DE85003743 **09**-*520,733* PC **A02**/MF **A01**

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DE85701160 **20**-*546,989* PC **A02**/MF **A01**

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PB85-233864 **23**-*554,322* PC **E03**/MF **E03**

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Detection of Antisymmetric Tensor Contribution to the Magnetic Screening of sup 13 C Nuclei.
DE85780823 **17**-*537,689* PC **A07**/MF **A01**

Intramolecular Motion and Reorientational Barriers in 9-Fluorenone, 4-Methyl-9-Fluorenone and 4,5-Dimethyl-9-Fluorenone.
PB85-167922 **12**-*526,707* PC **A02**/MF **A01**

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DE85751553 **20**-*546,572* PC **A03**/MF **A01**

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DE85780642 **15**-*534,988* PC **A07**/MF **A01**

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Magnetic Spin Reduction System for Free Spinning Objects.
PAT-APPL-6-643 522 **04**-*510,554* PC **A02**/MF **A01**

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Finite-Perturbation Intermediate Neglect of Differential Overlap Molecular Orbital Calculations of Nuclear Magnetic Resonance Spin-Spin Coupling Constants for Polycyclic Aromatic Hydrocarbons and Aromatic Nitrogen Heterocyclics.
N85-31927/5 **23**-*552,523* PC **A13**/MF **A01**

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AD-A146 186/2 **01**-*501,003* Not available NTIS

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AD-A148 035/9 **04**-*508,755* PC **A02**/MF **A01**

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N-Color Spin Models in the Large-N Limit.
AD-A158 436/6 **25**-*559,782* PC **A02**/MF **A01**

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DE84016433 **03**-*507,751* PC **A02**/MF **A01**

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DE85003036 **08**-*518,154* PC **A02**/MF **A01**

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Analysis of Long Bone and Vertebral Failure Patterns.
AD-A154 796/7 **18**-*540,056* PC **A10**/MF **A01**

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Investigation of Spinal Injury Potential from the Use of the ACES II Ejection Seat by Lower Weight Female Pilots.
AD-A148 449/2 **05**-*511,142* PC **A07**/MF **A01**

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AD-A157 645/3 **23**-*552,381* PC **A02**/MF **A01**

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AD-P004 955/1 **24**-*556,643* PC **A02**/MF **A01**

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Liquid Payload Moment Equations.
AD-A145 977/5 **01**-*502,329* PC **A04**/MF **A01**

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AD-A146 094/8 **01**-*502,331* PC **A03**/MF **A01**

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AD-A150 280/6 **10**-*522,893* PC **A04**/MF **A01**

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AD-A152 616/9 **14**-*530,759* PC **A03**/MF **A01**

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DE84703191 **10**-*523,070* PC **A02**/MF **A01**

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DE84703090 **08**-*516,958* PC **A02**/MF **A01**

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AD-A151 929/7 **13**-*529,241* PC **A06**/MF **A01**

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AD-P004 620/1 **17**-*537,996* PC **A02**/MF **A01**

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DE84702798 **09**-*518,409* PC **A03**/MF **A01**

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Main Algorithms and Structure of the FILTR Program.
DE84702391 **03**-*507,525* PC **A02**/MF **A01**

Program for Control and Editing the Output Data of Spiral Reader.
DE84702395 **03**-*506,106* PC **A02**/MF **A01**

Graphical Representation of Spiral Reader Data in Measurement Mode.
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PB85-193670 **17**-*537,591* Not available NTIS

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AD-A153 780/2 **16**-*535,748* PC **A02**/MF **A01**

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AD-A157 734/5 **24**-*555,157* PC **A02**/MF **A01**

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The Synthesis of the First Spiropentasilane, Octamethylspiropentasilane.
AD-A158 302/0 **25**-*557,879* PC **A02**/MF **A01**

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Habitat Suitability Index Models: Brewer's Sparrow,
PB85-133759 **05**-*510,999* PC **A03**/MF **A01**

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PB85-122612 **05**-*511,463* PC **E04**/MF **E04**

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Low Loss Splicing Method for Single-Mode Optical Fiber.
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N85-31011/8 **23**-*551,878* PC **A09**/MF **A01**

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AD-A146 256/3 **01**-*501,637* PC **A02**/MF **A01**

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AD-A155 250/4 **19**-*543,255* PC **A04**/MF **A01**

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AD-A158 151/1 **24**-*555,832* PC **A03**/MF **A01**

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Stable Evaluation of Multivariate B-Splines.
AD-A147 386/7 **03**-*506,507* PC **A02**/MF **A01**

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AD-A146 087/2 **01**-*502,368* PC **A04**/MF **A01**

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PB85-164432 **11**-*523,232* PC **E03**/MF **E03**

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N85-12294/3 **06**-*513,979* PC **A03**/MF **A01**

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AD-A158 522/3 **25**-*557,754* PC **A02**/MF **A01**

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Spot Solar Array.
N85-31656/0 **23**-*553,079* PC **A02**/MF **A01**

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AD-A158 783/1 **25**-*559,360* PC **A03**/MF **A01**

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Spouse Abuse: The Problem and a Proposal for Military Police Intervention.
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Touch-off: A Method to Determine the Position of an Object by Means of a Sensor-Driven Robot.
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DE85013468 **23**-*554,412* PC **A03**/MF **A01**

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PB85-138170 **06**-*513,163* PC **A03**/MF **A01**

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N85-15727/9 **10**-*523,190* PC **A02**/MF **A01**

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N85-21578/6 **14**-*532,860* PC **A04**/MF **A01**

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DE85002237 **07**-*515,205* PC **A03**/MF **A01**

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DE85007463 **13**-*529,444* PC **A03**/MF **A01**

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N85-18154/3 **12**-*527,074* PC **A07**/MF **A01**

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PB85-204691 **18**-*540,103* PC **A04**/MF **A01**

STAGNATION FLOW

Physics on Aircraft Wakes.
N85-12871/8 **07**-*514,323* PC **A02**/MF **A01**

Laminar Jet Issuing into Stagnant Surroundings.
N85-13200/9 **07**-*515,538* PC **A03**/MF **A01**

STAGNATION POINT

Preliminary Results of a Study of the Relationship Between Free Stream Turbulence and Stagnation Region Heat Transfer.
N85-11317/3 **04**-*510,202* PC **A02**/MF **A01**

Influence of Jet-Grid Turbulence on Heat Transfer from the Stagnation Region of a Cylinder in Crossflow.
N85-25760/8 **18**-*541,897* PC **A02**/MF **A01**

Conical Stagnation Points in the Flow around an External Corner.
N85-26680/7 **19**-*542,076* PC **A03**/MF **A01**

Decollement Bidimensionnel dans un Fluide Incompressible (Two-Dimensional Separation in an Incompressible Fluid).
N85-31459/9 **23**-*554,201* PC **A05**/MF **A01**

STAGNATION TEMPERATURE

Evaluation of Absorber Stagnation Temperature as a Characteristic Performance Parameter of Flat-Plate Solar Collectors.
PB85-184679 **15**-*534,158* Not available NTIS

STAINLESS STEEL

Hydrogen Attack in an Austenitic Stainless Steel.
AD-A147 901/3 **04**-*509,387* PC **A02**/MF **A01**

Microscopic Study of the Influence of Impurities on Interface Bonding.
AD-A151 725/9 **13**-*529,453* PC **A04**/MF **A01**

Evaluation of Galling-Resistant Materials for the A-10 GAU/8/A Gun Mounts.
AD-A152 088/1 **14**-*532,555* PC **A03**/MF **A01**

Use of Austenitic Stainless Steel versus Monel (Ni-Cu) Alloy in Pressurized Gaseous Oxygen (GOX) Life Support Systems.
AD-A156 305/5 **21**-*547,666* PC **A07**/MF **A01**

Fracture Toughness of Hydrogen-Embrittled Precipitation-Hardened Stainless Steels.
AD-A156 664/5 **22**-*550,419* PC **A02**/MF **A01**

Effect of Grain Boundary Structure on Sensitization and Corrosion of Stainless Steel.
AD-A157 133/0 **23**-*553,154* PC **A02**/MF **A01**

Effects of Manufacturing Processes on Structural Allowables.
AD-A157 596/8 **23**-*553,161* PC **A09**/MF **A01**

Determination of Selenium and Tellurium in Stainless Steel, White Cast Iron, and Nickel Base Alloy Standard Reference Materials by Isotope Dilution Spark Source Mass Spectrometry.
PB85-107324 **01**-*501,556* Not available NTIS

Update of Thermal Conductivity and Electrical Resistivity of Electrolytic Iron, Tungsten, and Stainless Steel.
PB85-115814 **03**-*505,901* PC **A04**/MF **A01**

Subcooled Flow Boiling at High Heat Flux.
PB85-139582 **05**-*511,173* PC **E04**/MF **E04**

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PB85-179398 **14**-*531,371* PC **A02**/MF **A01**

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PB85-197515 **17**-*537,723* Not available NTIS

STAINLESS STEEL-18-10

Examination of Transpassive Nitric Acid Corrosion Behavior of Different Austenitic Stainless Steels by Prolongated Huey-Testing (65% HNO sub 3 , 120 deg C, 720 H).
DE85751134 **22**-*550,463* PC **A05**/MF **A01**

STAINLESS STEEL-21-6-9

Mechanical Threshold of Dynamically Deformed Copper and Nitronic 40.
DE85010779 **24**-*555,743* PC **A02**/MF **A01**

STAINLESS STEEL-304

Etching of Unirradiated Cast U - 0.1 W/O Cr by Bombardment with Argon Ions.
DE81700483 **20**-*545,496* MF **A01**

Swelling of AISI 304L in Response to Simultaneous Variations in Stress and Displacement Rate.
DE84007167 **02**-*504,792* PC **A02**/MF **A01**

Modelling of Deformation and Fracture in High-Temperature Structural Materials. Final Report, February 1, 1983-June 30, 1984.
DE84016906 **02**-*504,075* PC **A06**/MF **A01**

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DE84017292 **08**-*517,499* PC **A07**/MF **A01**

Present Status of Studies on Special Irradiation of Materials.
DE84703195 **10**-*522,712* PC **A04**/MF **A01**

SANS And TEM Studies of Carbide Precipitation and Creep Damage in Type 304 Stainless Steel.
DE85000933 **04**-*509,418* PC **A02**/MF **A01**

Review of Mechanical Properties and Microstructures of Types 304 and 316 Stainless Steel after Long-Term Aging.
DE85000969 **06**-*513,581* PC **A03**/MF **A01**

Effect of Implantation Species on the Tribological Response of Stainless Steel Surfaces.
DE85003530 **09**-*519,399* PC **A02**/MF **A01**

Chemical Cleaning of 304 and 304-L Stainless Steel Surfaces by the Nitradd Passivation Process.
DE85003714 **08**-*516,895* PC **A02**/MF **A01**

Creep Crack Growth in Ductile Alloys.
DE85003937 **10**-*522,123* PC **A02**

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DE85004046 **21**-*548,605* PC **A02**/MF **A01**

Variation in the Spacing of Dislocations in Subgrain Boundaries with Creep Strain in Type 304 Stainless Steel.
DE85006184 **12**-*527,104* PC **A02**/MF **A01**

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DE85007224 **12**-*527,116* PC **A04**/MF **A01**

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DE85008367 **14**-*531,838* PC **A08**/MF **A01**

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DE85009725 **17**-*538,974* PC **A05**/MF **A01**

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DE85010560 **19**-*543,214* PC **A04**/MF **A01**

Effects of Residual Stresses and Distortion on the Nickel 200 and Stainless Steel 304 Weldments.
DE85011868 **19**-*543,581* PC **A04**/MF **A01**

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DE85011922 **20**-*545,471* PC **A09**/MF **A01**

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DE85012003 **19**-*543,859* PC **A03**/MF **A01**

Corrosion and Degradation of Test Materials in the Mountain Fuel Resources 30 Ton/Day Coal Gasification Process Development Unit.
DE85012387 **24**-*555,745* PC **A03**/MF **A01**

Mechanical Properties of Rapidly Solidified Type 304 Stainless Steel.
DE85014577 **24**-*555,759* PC **A03**/MF **A01**

Experimental Studies of Actinides in Molten Salts.
DE85015368 **25**-*557,966* PC **A03**/MF **A01**

Review of Effects of Long-Term Aging on the Mechanical Properties and Microstructures of Types 304 and 316 Stainless Steel.
DE85016472 **26**-*561,539* PC **A02**/MF **A01**

Detecting and Monitoring Crack Growth in Austenitic and Ferritic Steels. Progress Report, 1 December 1984-30 November 1985.
DE85016733 **25**-*558,442* PC **A02**/MF **A01**

Metallurgical Analysis of a 304L Stainless Steel Canister from the Spent Fuel Test - Climax.
DE85017148 **26**-*561,459* PC **A02**/MF **A01**

Study on Fatigue Life Evaluation of Structural Component Based on Crack Growth Criterion.
DE85702178 **26**-*561,557* PC **A07**/MF **A01**

Research of a Fracture Criterion for Ductile Metals. Application to Austenitic Stainless Steels.
DE85750020 **17**-*538,246* PC **A14**/MF **A01**

Determination of delta Ferrite Volumetric Fraction in Austenitic Stainless Steels.
DE85780385 **17**-*537,675* PC **A05**/MF **A01**

Cumulative Creep Damage and Its Control in the Stainless Steel AISI 304.
DE85780391 **17**-*538,265* PC **A03**/MF **A01**

Evaluation of Stress Corrosion Cracking of Austenitic Stainless Steel in MgCl sub 2 Solution Added with NaNO sub 3 , with the Slow Strain Rate Test.
DE85780396 **17**-*538,268* PC **A02**/MF **A01**

Corrosion Fatigue of AISI 304 Stainless Steel in Aqueous Chloride Solution.
DE85780397 **17**-*538,269* PC **A02**/MF **A01**

Surface Modifications Induced by Hydrogen in AISI 304 Stainless Steel.
DE85780493 **20**-*545,515* PC **A02**/MF **A01**

Evaluation of Low Temperature IGSCC of Type 304 Stainless Steel in Oxygenated Pure Water.
DE85780550 **17**-*539,126* PC **A02**/MF **A01**

Anodic Behaviour of AISI 304 Stainless Steel Straining Electrodes in Aqueous Chloride Solutions.
DE85780793 **17**-*538,276* PC **A02**/MF **A01**

Stainless Steel Forgings for Nuclear Chemical Plants.
DE85781075 **25**-*559,329* PC **A02**/MF **A01**

STAINLESS STEEL-304L

Effect of Electrode Vertex Angle on Automatic Tungsten-Inert-Gas Welds for Stainless Steel 304L Plates.
DE81700484 **20**-*545,866* PC **A02**/MF **A01**

Nuclear Waste Management. Semiannual Progress Report, October 1983-March 1984.
DE84017292 **08**-*517,499* PC **A07**/MF **A01**

Overview of Low Temperature Sensitization.
DE85001078 **09**-*519,393* PC **A03**/MF **A01**

Electrochemical Determination of the Corrosion Behavior of Candidate Alloys Proposed for Containment of High Level Nuclear Waste in Tuff.
DE85001768 **03**-*506,435* PC **A03**/MF **A01**

Selection of Candidate Canister Materials for High-Level Nuclear Waste Containment in a Tuff Repository.
DE85003567 **09**-*520,013* PC **A03**/MF **A01**

Chemical Cleaning of 304 and 304-L Stainless Steel Surfaces by the Nitradd Passivation Process.
DE85003714 **08**-*516,895* PC **A02**/MF **A01**

Behavior of Stressed and Unstressed 304L Specimens in Tuff Repository Environmental Conditions.
DE85004415 **11**-*525,090* PC **A03**/MF **A01**

Verification of Multiple Steady-States in Localized Electrochemical Corrosion.
DE85004566 **09**-*519,405* PC **A04**/MF **A01**

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DE85006082 **14**-*532,465* PC **A04**/MF **A01**

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DE85009952 **18**-*541,532* PC **A02**/MF **A01**

Solid-State Resistance Welding Cylinders and Spheres.
DE85010064 **19**-*543,604* PC **A02**/MF **A01**

DWPF Canister Closure Welding Development Program.
DE85010066 **17**-*538,927* PC **A02**/MF **A01**

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DE85013254 **22**-*550,438* PC **A02**/MF **A01**

Creep of 304 LN and 316 L Stainless Steels at Cryogenic Temperatures.
DE85016523 **26**-*560,925* PC **A02**/MF **A01**

Corrosion Studies of Container Materials for Radioactive Waste Disposal in Granite Formation.
DE85700293 **17**-*538,244* PC **A05**/MF **A01**

Study on Fatigue Life Evaluation of Structural Component Based on Crack Growth Criterion.
DE85702178 **26**-*561,557* PC **A07**/MF **A01**

STAINLESS STEEL-308

Microstructure of Rapidly Quenched Type 308 Stainless Steel Weld Filler Metal and Its Implications on Rapid Solidification Processes.
DE85000930 **04**-*509,417* PC **A02**/MF **A01**

STAINLESS STEEL-310

Stability of Chromium Oxide Scales in Oxygen-Sulfur-Containing Environments at Elevated Temperatures.
DE84016232 **01**-*501,547* PC **A02**/MF **A01**

Metallic Heat Exchangers for Coal Gasification.
DE84017439 **03**-*506,606* PC **A03**/MF **A01**

Evaluation of Stress-Rupture Properties of Stainless Alloys in Fluidized Bed Combustion Environments. Phase 1 Report, October 1982-June 1983.
DE84901586 **15**-*534,018* PC **A03**/MF **A01**

Behavior of Pressurized Tubes of Candidate Alloys in a Simulated Low-Btu Environment.
DE85003403 **08**-*516,893* PC **A02**/MF **A01**

Surface Degradation of Ductile Metal in Elevated Temperature Gas-Particle Streams.
DE85008428 **15**-*534,022* PC **A03**/MF **A01**

Sulfidation Resistant Coatings for Coal Gasification Process Equipment. Final Technical Report.
DE85011922 **20**-*545,471* PC **A09**/MF **A01**

Corrosion and Degradation of Test Materials in the Mountain Fuel Resources 30 Ton/Day Coal Gasification Process Development Unit.
DE85012387 **24**-*555,745* PC **A03**/MF **A01**

Examination of Transpassive Nitric Acid Corrosion Behavior of Different Austenitic Stainless Steels by Prolongated Huey-Testing (65% HNO sub 3 , 120 deg C, 720 H).
DE85751134 **22**-*550,463* PC **A05**/MF **A01**

STAINLESS STEEL-316

Metallographic Evaluation of the Reactions Between Boronated Graphite and Fe-Ni-Cr Alloys.
DE84015374 **02**-*504,069* PC **A02**/MF **A01**

FILOS 07. The Post Irradiation Examination of a Corrosion Test Pin Clad in M 316 Material and Fuelled with (U,Pu)C Microspheres.
DE84700559 **03**-*507,180* PC **A04**/MF **A01**

Design and Operation of Thermal Shock Rigs Using Sodium.
DE84703397 **20**-*545,950* PC **A02**/MF **A01**

Influence of Fast Neutron Dose on the Microstructure of Stainless Steel 316 Strain Hardened 20% Irradiated at About 420 degrees C.
DE84751858 **10**-*522,861* PC **A02**/MF **A01**

Precipitation in Strain Hardened Stainless Steel 316 Ti Irradiated by Neutrons.
DE84751877 **10**-*522,863* PC **A02**/MF **A01**

Deformation of Phenix Hexcans.
DE84751886 **11**-*525,222* PC **A02**/MF **A01**

Fatigue and Creep at Variable Temperature. Time Dependence Forecasting.
DE84751966 **05**-*511,687* PC **A03**/MF **A01**

Effect of Time and Dose Rate on the Swelling of 316 Cladding in Phenix.
DE84780401 **01**-*502,287* PC **A02**/MF **A01**

Mechanical Properties of Irradiated Solution Annealed and Cold Worked 316 Cladding.
DE84780402 **01**-*502,288* PC **A02**/MF **A01**

Effect of Dose Rate on the Microstructure of CW 316 SS.
DE84780403 **01**-*502,289* PC **A02**/MF **A01**

Irradiation Creep of Solution Annealed and Coldworked 316 Stainless Steel.
DE84780404 **01**-*502,290* PC **A02**/MF **A01**

Microstructural Design of PCA (Prime Candidate Alloy) Austenitic Stainless Steel for Improved Resistance to Helium Embrittlement under HFIR Irradiation.
DE85000914 **04**-*509,414* PC **A02**/MF **A01**

Comparison of Swelling and Cavity Microstructural Development for Type 316 Stainless Steel Irradiated in EBR-II and HFIR.
DE85000925 **04**-*509,415* PC **A02**/MF **A01**

Response of Austenitic Steels to Radiation Damage.
DE85000929 **04**-*509,416* PC **A02**/MF **A01**

Review of Mechanical Properties and Microstructures of Types 304 and 316 Stainless Steel after Long-Term Aging.
DE85000969 **06**-*513,581* PC **A03**/MF **A01**

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DE85001070 **05**-*511,693* PC **A02**/MF **A01**

Design and Use of Nonstandard Tensile Specimens for Irradiated Materials Testing.
DE85001071 **07**-*514,987* PC **A03**/MF **A01**

Swelling and Swelling Resistance Possibilities of Austenitic Stainless Steels in Fusion Reactors.
DE85001261 **04**-*509,422* PC **A02**/MF **A01**

Reirradiation of HFIR Specimens in FFTF.
DE85003002 **08**-*516,884* PC **A02**/MF **A01**

In-Reactor Creep Rupture Experiment in MOTA.
DE85003012 **08**-*517,621* PC **A02**/MF **A01**

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DE85003686 **08**-*517,557* PC **A03**/MF **A01**

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DE85004601 **09**-*519,407* PC **A08**/MF **A01**

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DE85004769 **11**-*524,472* PC **A03**/MF **A01**

Influence of Titanium on the Neutron-Induced Swelling of Austenitic Alloys.
DE85005719 **11**-*524,485* PC **A02**/MF **A01**

Advanced Alloys for LMFBR Fuel Cladding and Ducts.
DE85007468 **15**-*534,692* PC **A02**/MF **A01**

Swelling Behavior of Titanium-Modified AISI 316 Alloys.
DE85007470 **13**-*529,485* PC **A02**/MF **A01**

Fossil Energy Program. Quarterly Progress Report for the Period Ending December 31, 1984.
DE85008091 **14**-*532,768* PC **A07**/MF **A01**

Hot Cracking of Austenitic Stainless Steels: The Debut of the Sigmajig.
DE85010560 **19**-*543,214* PC **A04**/MF **A01**

Simulating the CTR Environment in the HVEM. Final Report, September 1, 1975-August 31, 1984.
DE85011745 **22**-*550,429* PC **A02**/MF **A01**

Fossil Energy Program. Quarterly Progress Report for the Period Ending March 31, 1985.
DE85013531 **21**-*549,216* PC **A07**/MF **A01**

Effects of Tensile and Compressive Stresses on Irradiation-Induced Swelling in AISI 316.
DE85014009 **23**-*554,023* PC **A02**/MF **A01**

Metallography of Solid State Bonds.
DE85014564 **22**-*550,722* MF **A01**

Experimental Studies of Actinides in Molten Salts.
DE85015368 **25**-*557,966* PC **A03**/MF **A01**

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DE85015775 **24**-*555,777* PC **A02**/MF **A01**

Simulating the CTR Environment in the HVEM, 1979.
DE85015792 **25**-*558,914* PC **A02**/MF **A01**

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DE85015810 **25**-*558,739* PC **A03**/MF **A01**

Simulating the CTR Environment in the HVEM, 1980.
DE85015836 **25**-*558,917* PC **A02**/MF **A01**

Review of Effects of Long-Term Aging on the Mechanical Properties and Microstructures of Types 304 and 316 Stainless Steel.
DE85016472 **26**-*561,539* PC **A02**/MF **A01**

Experimental Study of Induced Activity in Type 316 Stainless Steel by Irradiation in D-T Neutron Fields.
DE85700231 **11**-*524,999* PC **A05**/MF **A01**

Swelling and Microstructure of Neutrons Irradiated 316 Ti SS.
DE85750902 **17**-*538,254* PC **A02**/MF **A01**

CW 316 Mechanical Properties During Thermal Transients.
DE85750903 **17**-*538,255* PC **A02**/MF **A01**

In-Pile Creep Strain and Failure of CW 316 Ti Pressurized Tubes.
DE85750904 **17**-*539,199* PC **A02**/MF **A01**

Effect of Irradiation Temperature on the Precipitation in Cold-Worked (C.W.) Ti-Stabilised 316 Stainless Steel.
DE85750905 **17**-*538,256* PC **A02**/MF **A01**

Influence of Helium on Swelling of Steels.
DE85751070 **21**-*548,151* PC **A02**/MF **A01**

High-Temperature Helium Embrittlement (T > = 0,45Tsub(M)) Of Metals.
DE85751139 **22**-*550,465* PC **A06**/MF **A01**

Stainless Steel Forgings for Nuclear Chemical Plants.
DE85781075 **25**-*559,329* PC **A02**/MF **A01**

Heat to Heat Variations in the Creep Rupture Strength of a Modified AISI 316 Grade Stainless Steel.
DE85900997 **20**-*546,434* PC **A02**/MF **A01**

STAINLESS STEEL-316L

Tritium in Austenitic Stainless Steel Vessels. The Integrity of the Vessel.
DE81700481 **20**-*546,218* PC **A02**/MF **A01**

Review of Safety Issues That Pertain to the Use of WESF Cesium Chloride Capsules in an Irradiator.
DE84016282 **01**-*502,137* PC **A04**/MF **A01**

Nuclear Waste Management. Semiannual Progress Report, October 1983-March 1984.
DE84017292 **08**-*517,499* PC **A07**/MF **A01**

Fatigue and Creep at Variable Temperature. Time Dependence Forecasting.
DE84751966 **05**-*511,687* PC **A03**/MF **A01**

Study of Creep, Fatigue and Creep-Fatigue Crack Growth at High Temperature (550 degrees C) in an 316 L Austenitic Stainless Steel.
DE84752144 **08**-*516,868* PC **A07**/MF **A01**

Electrochemical Determination of the Corrosion Behavior of Candidate Alloys Proposed for Containment of High Level Nuclear Waste in Tuff.
DE85001768 **03**-*506,435* PC **A03**/MF **A01**

Selection of Candidate Canister Materials for High-Level Nuclear Waste Containment in a Tuff Repository.
DE85003567 **09**-*520,013* PC **A03**/MF **A01**

Nuclear Waste Management. Semiannual Progress Report, April 1984-September 1984.
DE85005325 **14**-*532,464* PC **A06**/MF **A01**

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DE85006376 **11**-*525,158* PC **A03**/MF **A01**

Cesium Chloride Compatibility Testing Program. Annual Report, Fiscal Year 1984.
DE85009667 **17**-*538,968* PC **A04**/MF **A01**

Laboratory Experiments Designed to Provide Limits on the Radionuclide Source Term for the NNWSI Project.
DE85009952 **18**-*541,532* PC **A02**/MF **A01**

WESF Cesium Capsule Behavior at High Temperature or During Thermal Cycling.
DE85014894 **24**-*556,282* PC **A05**/MF **A01**

Nuclear Waste Management. Semiannual Progress Report, October 1984-March 1985.
DE85015236 **24**-*556,411* PC **A05**/MF **A01**

Creep of 304 LN and 316 L Stainless Steels at Cryogenic Temperatures.
DE85016523 **26**-*560,925* PC **A02**/MF **A01**

Corrosion Studies of Container Materials for Radioactive Waste Disposal in Granite Formation.
DE85700293 **17**-*538,244* PC **A05**/MF **A01**

Research of a Fracture Criterion for Ductile Metals. Application to Austenitic Stainless Steels.
DE85750020 **17**-*538,246* PC **A14**/MF **A01**

Description of a Method Giving Access to Initiation and Propagation Cracks Results with One Experiment.
DE85750906 **17**-*538,257* PC **A02**/MF **A01**

Ratcheting Tests on 316L Stainless Steel at 650 deg C.
DE85751029 **21**-*548,150* PC **A06**/MF **A01**

STAINLESS STEEL-321

Electrochemical Determination of the Corrosion Behavior of Candidate Alloys Proposed for Containment of High Level Nuclear Waste in Tuff.
DE85001768 **03**-*506,435* PC **A03**/MF **A01**

Selection of Candidate Canister Materials for High-Level Nuclear Waste Containment in a Tuff Repository.
DE85003567 **09**-*520,013* PC **A03**/MF **A01**

Utility of Replica Techniques for X-Ray Microanalysis of Second Phase Particles.
DE85005564 **12**-*526,676* PC **A02**/MF **A01**

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DE85008527 **20**-*545,500* MF **A01**

Mechanisms of Fatigue under Coal Liquefaction Conditions. Progress Report, September 1, 1980-October 1, 1981.
DE85008528 **15**-*534,025* PC **A02**/MF **A01**

STAINLESS STEEL-347

Evaluation of Stress-Rupture Properties of Stainless Alloys in Fluidized Bed Combustion Environments. Phase 1 Report, October 1982-June 1983.
DE84901586 **15**-*534,018* PC **A03**/MF **A01**

Electrochemical Determination of the Corrosion Behavior of Candidate Alloys Proposed for Containment of High Level Nuclear Waste in Tuff.
DE85001768 **03**-*506,435* PC **A03**/MF **A01**

Selection of Candidate Canister Materials for High-Level Nuclear Waste Containment in a Tuff Repository.
DE85003567 **09**-*520,013* PC **A03**/MF **A01**

Fracture Toughness and Stress Relief Response of Irradiated Type 347/348 Stainless Steel.
DE85008440 **22**-*550,425* PC **A02**/MF **A01**

Stainless Steel Forgings for Nuclear Chemical Plants.
DE85781075 **25**-*559,329* PC **A02**/MF **A01**

STAINLESS STEEL-348

Fracture Toughness and Stress Relief Response of Irradiated Type 347/348 Stainless Steel.
DE85008440 **22**-*550,425* PC **A02**/MF **A01**

STAINLESS STEEL-410

Corrosion and Degradation of Test Materials in the Mountain Fuel Resources 30 Ton/Day Coal Gasification Process Development Unit.
DE85012387 **24**-*555,745* PC **A03**/MF **A01**

STAINLESS STEEL-Z6CN18-10

Wear-Resisting Coatings for Stainless Steel Nuclear Components.
DE84751967 **11**-*525,273* PC **A02**/MF **A01**

STAINLESS STEEL-Z6CND17-12

Stainless Steel Forgings for Nuclear Chemical Plants.
DE85781075 **25**-*559,329* PC **A02**/MF **A01**

STAINLESS STEELS

Quantitative Description of Strain Rate Effects on Susceptibility to Intergranular Stress Corrosion Cracking.
DE84003631 **09**-*519,381* PC **A02**/MF **A01**

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PB85-228674 **22**-*550,484* PC **E03**/MF **E01**

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PB85-199388 **18**-*540,153* PC **A03**/MF **A01**

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PB85-238905 **24**-*556,101* PC **E04**/MF **E01**

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AD-A156 084/6 **21**-*548,753* PC **A02**/MF **A01**

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Resonant Cavities for Stall Recovery in Gas Turbine Engines.
PAT-APPL-6-757 994 **26**-*562,050* PC **A02**/MF **A01**

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Preliminary Airworthiness Evaluation of a National Aeronautics & Space Administration Automates Stall Warning System for an OV-1 Aircraft.
AD-A152 010/5 **13**-*528,333* PC **A04**/MF **A01**

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AD-A149 240/4 **08**-*515,723* PC **A04**/MF **A01**

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AD-A151 696/2 **13**-*528,273* PC **A05**/MF **A01**

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AD-A158 100/8 **24**-*554,559* PC **A05**/MF **A01**

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AD-P004 156/6 **05**-*510,558* PC **A02**/MF **A01**

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PB85-236321 **24**-*556,030* PC **A03**/MF **A01**

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AD-A153 710/9 **16**-*536,446* PC **A02**/MF **A01**

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Large Deviations for the Maxima of Some Random Fields.
AD-A155 909/5 **21**-*548,205* PC **A03**/MF **A01**

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Standard SHEF (Standard Hydrometeorologic Exchange Format) Decoder Version 1.1.
PB85-106508 **01**-*500,237* PC **A06**/MF **A01**

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FIPS PUB 8-5 **07**-*514,820* PC **A06**/MF **A01**

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DE85007675 **13**-*530,441* PC **A02**/MF **A01**

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PB85-115814 **03**-*505,901* PC **A04**/MF **A01**

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PB85-118255 **04**-*508,828* Not available NTIS

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PB85-127827 **05**-*512,081* PC **A02**/MF **A01**

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PB85-142420 **05**-*511,334* Not available NTIS

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PB85-143766 **07**-*514,714* PC **A10**/MF **A01**

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PB85-165900 **08**-*516,465* PC **A04**/MF **A01**

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PB85-177921 **12**-*527,500* PC **A03**/MF **A01**

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PB85-183515 **15**-*533,601* Not available NTIS

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PB85-191427 **14**-*531,524* PC **A03**/MF **A01**

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PB85-239556 **25**-*558,011* PC **E07**/MF **E01**

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PB85-105740 **01**-*500,523* PC **A02**/MF **A01**

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DE85006959 **13**-*528,841* PC **A03**/MF **A01**

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DE85900588 **19**-*543,155* PC **A04**/MF **A01**

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N85-10990/8 **04**-*510,527* PC **A15**/MF **A01**

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N85-25794/7 **18**-*542,028* PC **A02**/MF **A01**

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PATENT-4 500 255 **15**-*535,252* Not available NTIS

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PB85-222479 **21**-*547,405* PC **A23**/MF **A01**

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PB85-222487 **21**-*547,406* PC **A99**/MF **A01**

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AD-A157 707/1 **24**-*556,174* PC **A02**/MF **A01**

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AD-A147 092/1 **02**-*504,872* PC **A02**/MF **A01**

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AD-A147 240/6 **03**-*507,286* PC **A02**/MF **A01**

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AD-A147 322/2 **03**-*507,293* Not available NTIS

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AD-A149 851/8 **09**-*520,195* PC **A03**/MF **A01**

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N84-35009/9 **02**-*504,880* PC **A02**/MF **A01**

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N85-13195/1 **07**-*515,534* PC **A03**/MF **A01**

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N85-14077/0 **08**-*517,771* PC **A05**/MF **A01**

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N85-24242/8 **17**-*539,303* PC **A04**/MF **A01**

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N85-25206/2 **18**-*539,650* PC **A02**/MF **A01**

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N85-25782/2 **18**-*541,686* PC **A05**/MF **A01**

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N85-27834/9 **20**-*544,483* PC **A02**/MF **A01**

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N85-28278/8 **20**-*546,507* PC **A03**/MF **A01**

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N85-31472/2 **23**-*554,210* PC **A03**/MF **A01**

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PB85-159515 **10**-*522,962* PC **E10**/MF **E01**

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N85-14800/5 **09**-*520,911* PC **A03**/MF **A01**

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N85-15725/3 **10**-*523,189* PC **A03**/MF **A01**

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N85-32178/4 **24**-*555,785* PC **A05**/MF **A01**

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Transverse Vibration and Buckling of a Cantilevered Beam with Tip Body under Constant Axial Base Acceleration.
N85-21694/3 **14**-*532,698* PC **A04**/MF **A01**

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DE85700229 **11**-*524,997* PC **A03**/MF **A01**

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AD-A154 743/9 **18**-*540,806* PC **A07**/MF **A01**

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AD-A155 642/2 **19**-*544,309* PC **A07**/MF **A01**

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DE85751884 **26**-*561,422* PC **A07**/MF **A01**

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NUREG/CR-2718 **17**-*538,704* PC **A07**/MF **A01**

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PB85-248979 **26**-*561,029* PC **E04**/MF **E04**

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AD-A152 220/0 **13**-*530,557* PC **A08**/MF **A01**

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AD-A154 551/6 **18**-*540,964* PC **A05**/MF **A01**

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NUREG/CR-4019 **05**-*512,346* PC **A08**/MF **A01**

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PB85-226850 **22**-*550,361* PC **A07**/MF **A01**

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DE84702351 **03**-*507,136* PC **A02**/MF **A01**

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DE84703292 **11**-*525,218* PC **A02**/MF **A01**

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DE84780129 **03**-*507,149* PC **A03**/MF **A01**

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DE85005142 **13**-*530,196* PC **A09**/MF **A01**

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PB85-229516 **23**-*554,067* PC **E03**/MF **E03**

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DE84016767 **02**-*504,218* PC **A08**/MF **A01**

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AD-A147 800/7 **04**-*509,385* PC **A03**/MF **A01**

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AD-A151 561/8 **12**-*527,384* PC **A05**/MF **A01**

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AD-A153 084/9 **15**-*534,014* PC **A02**/MF **A01**

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AD-A156 764/3 **22**-*550,825* PC **A06**/MF **A01**

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Study of Thermal Stress in Heat Affected Zones During Welding.
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PB85-117455 **04**-*509,438* PC **E06**/MF **E06**

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N84-34618/8 **02**-*504,034* PC **A03**/MF **A01**

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PB85-246304 **24**-*554,915* PC **A04**/MF **A01**

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DE85013925 **22**-*551,471* PC **A02**/MF **A01**

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AD-A157 546/3 **23**-*553,218* PC **A13**/MF **A01**

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AD-A151 388/6 **12**-*527,624* PC **A02**/MF **A01**

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AD-A151 216/9 **12**-*527,171* PC **A02**/MF **A01**

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N85-14613/2 **08**-*516,970* PC **A03**/MF **A01**

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PAT-APPL-6-548 047 **02**-*504,413* PC **A02**/MF **A01**

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More Accurate Solution to the Elastic-Plastic Problem of Pressurized Thick-Walled Cylinders.
AD-A153 151/6 **15**-*535,080* PC **A02**/MF **A01**

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AD-A157 901/0 **24**-*556,564* PC **A03**/MF **A01**

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N85-31296/5

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Determining Stress and Strain and Texture Using Ultrasonic Velocity Measurements. **02**-*504,494* Not available NTIS
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Maturity Method: Theory and Application.
PB85-189199 **15**-*534,231* Not available NTIS

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PB85-221737 **21**-*548,173* PC **E04**/MF **E04**

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Allowed Gamow-Teller Beta Decay in Deformed Nuclei and on First Forbidden beta Decay in Deformed Nuclei.
DE84702305 **03**-*507,509* PC **A03**/MF **A01**

STRENGTH (GENERAL)

Static Fatigue of a Sintered Silicon Nitride.
AD-A158 813/6 **25**-*558,371* PC **A02**/MF **A01**

STRENGTH (MECHANICS)

Time-Temperature Dependence of the Strength of Commercial Zirconia Ceramics,
AD-A146 233/2 **01**-*501,502* PC **A02**/MF **A01**

The Behavior of Slip during Reverse Loading of a Beta-Ti-Mn Alloy.
AD-A146 834/7 **02**-*504,063* PC **A02**/MF **A01**

Overview of the MIL-HDBK-5 Program.
AD-A147 788/4 **04**-*509,383* PC **A04**/MF **A01**

Mechanical Properties of Adhesively Bonded Aluminum Structures Protected with Hydration Inhibitors,
AD-A148 123/3 **04**-*509,350* PC **A04**/MF **A01**

Toward an Integrated Design, Inspection and Redundancy Research Program.
AD-A148 212/4 **05**-*511,990* PC **A04**/MF **A01**

Comprehensive Study on Sublaminate Crack Growth Stability and Its Effects on the Load-Carrying Capacity.
AD-A149 037/4 **07**-*514,971* PC **A09**/MF **A01**

Strength and Stiffness Analysis of Notched, Green Oak Pallet Stringers.
AD-A149 579/5 **09**-*519,429* PC **A03**/MF **A01**

Experimental Study of the Effect of Moist Environments on Epoxy Resin Chocks.
AD-A152 052/7 **13**-*529,765* PC **A05**/MF **A01**

Strength and Failure Analysis of Composite Laminates with Holes at Room and Elevated Temperatures.
AD-A153 263/9 **15**-*534,002* PC **A06**/MF **A01**

Effect of Mould Size on the Exothermic Reaction and Compressive Strength of Epoxy Resin Chocks.
AD-A155 102/7 **19**-*543,237* PC **A04**/MF **A01**

Crushing Strength of Aluminum Oxide Agglomerates.
AD-A158 051/3 **24**-*557,188* PC **A03**/MF **A01**

Oxide Dispersion Strengthened Alloys.
AD-P004 217/6 **06**-*513,566* PC **A02**/MF **A01**

STRENGTH (PHYSIOLOGY)

Machine for Weight-Lift Testing.
AD-A146 816/4 **02**-*504,461* PC **A03**/MF **A01**

Assessment of Muscle Strength and Prediction of Lifting Capacity in U.S. Army Personnel.
AD-A148 846/9 **07**-*514,659* PC **A03**/MF **A01**

STREPTOCOCCAL PNEUMONIA

Detection of Neisseria meningitidis Group A, Haemophilus influenzae Type b, and Streptococcus pneumoniae Antigens in Cerebrospinal Fluid Specimens by Antigen Capture Enzyme-Linked Immunosorbent Assays.
AD-A146 225/8 **01**-*500,796* Not available NTIS

Use of the Directigen Latex Agglutination Test for Detection of Haemphilus influenzae, Streptococcus pneumoniae, and Neisseria meningitidis Antigens in Cerebrospinal Fluid from Meningitis Patients.
AD-A148 806/3 **06**-*513,047* Not available NTIS

Supporative Flexor Tenosynovitis After Accidental Self-Inoculation with Streptococcus Pneumoniae. Type 1.
AD-A152 638/3 **14**-*531,245* PC **A02**/MF **A01**

The Effect of Streptococcus pneumoniae Infection on the Binding of Thyroxine to Purified Rat Liver Plasma Membranes.
AD-A152 676/3 **14**-*531,249* PC **A02**/MF **A01**

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Comparison of Thromboxane Inhibitors to Cyclooxygenase Inhibitors on Survival in a Newborn Rat Model for Group B Streptococcal Sepsis.
AD-A147 100/2 **02**-*503,295* PC **A02**/MF **A01**

The Effects of Basic and Acidic Synthetic Polypeptides on the Adherence of the Oral Bacteria, Streptococcus Mutans and Streptococcus Sanguis, to Hydroxyapatite.
AD-A156 299/0 **21**-*547,521* PC **A02**/MF **A01**

The Role of Beta-Lactamase-Producing Bacteria in the Persistence of Streptococcal Tonsillar Infection.
AD-A157 980/4 **24**-*555,011* PC **A02**/MF **A01**

Streptococci as Indicators of Source and Type of Surface Water Contamination.
PB85-214526 **20**-*545,095* PC **A03**/MF **A01**

Studies of the Antigens of Group B Streptococci.
PB85-227809 **22**-*549,831* PC **A02**/MF **A01**

STREPTOCOCCUS CREMORIS IL839

Control of Phage Infections in Dairy Fermentations,
PB85-223980 **22**-*549,861* PC **E02**/MF **A01**

STREPTOCOCCUS MUTANS

The Effects of Basic and Acidic Synthetic Polypeptides on the Adherence of the Oral Bacteria, Streptococcus Mutans and Streptococcus Sanguis, to Hydroxyapatite.
AD-A156 299/0 **21**-*547,521* PC **A02**/MF **A01**

STREPTOCOCCUS SANGUIS

The Effects of Basic and Acidic Synthetic Polypeptides on the Adherence of the Oral Bacteria, Streptococcus Mutans and Streptococcus Sanguis, to Hydroxyapatite.
AD-A156 299/0 **21**-*547,521* PC **A02**/MF **A01**

STREPTOKINASE INFUSION

Streptokinase Infusion for Acute Myocardial Infarction.
PB85-157428 **10**-*521,544* PC **A02**/MF **A01**

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Digital Algorithm for Composite Laminate Analysis - FORTRAN. Revision.
AD-A145 833/0 **01**-*501,515* PC **A07**/MF **A01**

Instrumentation Techniques for Measuring Large, High Rate Strains with Foil Resistance Strain Gages.
AD-A146 248/0 **01**-*501,947* PC **A04**/MF **A01**

Theoretical View on the Stress Analysis of Fully Inflated Parachute Canopies,
AD-A148 387/4 **05**-*510,595* PC **A04**/MF **A01**

Determination of the Elastic Constants of Inhomogeneous Materials with X-Ray Diffraction.
AD-A148 469/0 **05**-*512,526* PC **A03**/MF **A01**

Boundary Elements for Debond Stress Analysis; Fracture Mechanics Stress Analysis.
AD-A149 827/8 **09**-*519,363* PC **A05**/MF **A01**

Moving Nonlocal Crack: Anti-Plane Shear Case.
AD-A149 996/1 **09**-*520,694* PC **A03**/MF **A01**

Reduction of Free-Edge Stress Concentration.
AD-A150 732/6 **11**-*524,442* PC **A03**/MF **A01**

First Passage Times for Combinations of Random Loads.
AD-A153 275/3 **15**-*534,309* PC **A03**/MF **A01**

Stress Analysis of Bonded Inserts,
AD-A153 374/4 **15**-*534,236* PC **A03**/MF **A01**

Elastic Response of a Half-Plane to a Bonded Interference-Fit Disc of the Same Material.
AD-A153 520/2 **16**-*536,314* PC **A03**/MF **A01**

Stresses in a Half-Plane Containing Either a Pressurized Hole or an Interference-Fit Disc,
AD-A153 632/5 **16**-*536,914* PC **A03**/MF **A01**

Raman Measurements of Stress in Silicon-on-Sapphire Device Structures.
AD-A153 818/0 **16**-*535,970* PC **A02**/MF **A01**

Computational Methods in Advanced Stress and Durability Analyses.
AD-A154 119/2 **17**-*539,449* PC **A02**/MF **A01**

Design of Off-Axis Specimens.
AD-A154 328/9 **17**-*538,206* PC **A08**/MF **A01**

Location of Stress in Clothing,
AD-A154 423/8 **17**-*538,767* PC **A03**/MF **A01**

Study of the Capabilities of Six Advanced Soil Models to Predict Responses to Complex Strain Paths Typical of Explosively-Induced Ground Motion.
AD-A156 853/4 **22**-*550,163* PC **A06**/MF **A01**

Stress Intensity Factors at Radial Cracks of Unequal Depth in Partially Autofrettaged, Pressurized Cylinders.
AD-A157 866/5 **24**-*556,967* PC **A03**/MF **A01**

X-Ray Elastic Constants and Their Meaning for Al and Fe.
AD-A158 251/9 **24**-*555,736* PC **A02**/MF **A01**

Stress Analysis Combining Speckle Metrology with Finite Element Modeling,
AD-A158 349/1 **25**-*558,777* PC **A02**/MF **A01**

Effect of Edge Distance on Yield Initiation in a Remotely Loaded Half-Plane Containing a Bonded Interference-Fit Disc of the Same Material.
AD-A158 755/9 **25**-*558,767* PC **A03**/MF **A01**

Profile Fitting in Residual Stress Determination.
AD-A156 881/3 **25**-*559,771* PC **A02**/MF **A01**

Using PAFEC (Programs for Automatic Finite Element Calculations) as a Preprocessor for MSC/NASTRAN.
DE85000955 **04**-*509,106* PC **A02**/MF **A01**

Experimental Needs of High Temperature Concrete.
DE85009700 **22**-*551,134* PC **A02**/MF **A01**

Analysis of Instability-Related Growth of a Through-Width Delamination.
N84-33524/9 **01**-*501,521* PC **A04**/MF **A01**

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N84-33592/6 **01**-*501,527* PC **A04**/MF **A01**

Stress Studies in EFG.
N84-34018/1 **01**-*501,457* PC **A03**/MF **A01**

Advanced Composite Vertical Stabilizer for DC-10 Transport Aircraft.
N84-34573/5 **02**-*502,794* PC **A05**/MF **A01**

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N84-34773/1 **02**-*504,382* PC **A04**/MF **A01**

Stress Analysis of a Crack-Layer.
N84-34774/9 **02**-*505,082* PC **A05**/MF **A01**

Materials Properties, Loads, and Stress Analysis, Spartan REM: Appendix A.
N85-11375/1 **04**-*509,737* PC **A06**/MF **A01**

Sour-Gas Cracking in Ferritic Steels.
N85-12148/1 **06**-*513,505* PC **A03**/MF **A01**

Stress Relief Cracking Studies of 2 1/4Cr1Mo Steel.
N85-12388/3 **06**-*513,607* PC **A03**/MF **A01**

Study of Interply Layer Effects on the Free-Edge Stress Field of Angleplied Laminates.
N85-15822/8 **10**-*522,097* PC **A03**/MF **A01**

Thermal-Stress Analysis for a Wood Composite Blade.
N85-17421/7 **11**-*524,351* PC **A06**/MF **A01**

Stress Studies in EFG.
N85-19856/2 **13**-*530,555* PC **A04**/MF **A01**

Advanced Stress Analysis Methods Applicable to Turbine Engine Structures.
N85-21165/4 **14**-*532,843* PC **A03**/MF **A01**

Symmetric Primal-Dual Variational Formulations of Coupled Dynamic Systems: Three-Dimensional Elasticity, Shells, Fluid-Structure Interaction.
N85-21684/4 **14**-*532,693* PC **A02**/MF **A01**

3-D Inelastic Analysis Methods for Hot Section Components (Base Program).
N85-21686/9 **14**-*532,848* PC **A08**/MF **A01**

Transverse Vibration and Buckling of a Cantilevered Beam with Tip Body under Constant Axial Base Acceleration.
N85-21694/3 **14**-*532,698* PC **A04**/MF **A01**

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N85-24345/9 **17**-*539,239* PC **A02**/MF **A01**

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N85-24531/4 **17**-*537,614* PC **A03**/MF **A01**

Crack Growth Direction in Unidirectional off-Axis Graphite Epoxy.
N85-25433/2 **18**-*540,820* PC **A03**/MF **A01**

Accuracy of Approximate Solutions in the Analysis of Fracture of Composites.
N85-25437/3 **18**-*540,821* PC **A02**/MF **A01**

Impact of Magnetic Isolation on Pointing System Performance in the Presence of Structural Flexibility.
N85-26861/3 **19**-*543,785* PC **A04**/MF **A01**

In Plane Stress Analysis.
N85-27259/9 **19**-*544,296* PC **A02**/MF **A01**

Component-Specific Modeling.
N85-27261/5 **19**-*544,429* PC **A06**/MF **A01**

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N85-29334/8 **21**-*548,127* PC **A09**/MF **A01**

Effect of Speed and Press Fit on Fatigue Life of Roller-Bearing Inner-Race Contact.
N85-31511/7 **23**-*553,566* PC **A02**/MF **A01**

Load Transfer by Analytical Methods.
N85-31561/2 **23**-*554,299* PC **A03**/MF **A01**

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N85-32147/9 **24**-*555,721* PC **A03**/MF **A01**

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NUREG/CR-3891 **05**-*512,514* PC **A13**/MF **A01**

Determining Stress and Strain and Texture Using Ultrasonic Velocity Measurements.
PB85-104727 **02**-*504,494* Not available NTIS

Relaxation of Stresses in Grazes at Crack Tips and Rate of Craze Extension.
PB85-135416 **05**-*511,278* Not available NTIS

Ultrasonic Shear Wave Measurements of Known Residual Stress in Aluminum.
PB85-140002 **06**-*513,611* Not available NTIS

Interactions of Composition and Stress in Crystalline Solids,
PB85-179075 **12**-*526,718*
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Variation of the Stress Intensity Factor Along the Front of a Surface Flaw.
PB85-182012 **14**-*532,703* PC **E03**/MF **E03**

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PB85-219608 **18**-*540,885* PC **A04**/MF **A01**

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PB85-869337 **24**-*556,165* PC **N01**/MF **N01**

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Modeling Localized Stress Fields in Composite Laminates.
AD-A148 630/7 **06**-*513,535* PC **A02**/MF **A01**

Stress Concentration due to Axial Tension of Loaded Non-symmetric-Shaped Grooves.
AD-A149 425/1 **08**-*518,138* PC **A03**/MF **A01**

Stress Concentration in the Elastoplastic State and Residual Stress After Unloading.
AD-A155 628/1 **19**-*544,252* PC **A03**/MF **A01**

Distributions of Fatigue Life and Fatigue Strength in Notched Specimens of a Carbon 8-Harness-Satin Laminate.
N85-10407/3 **03**-*506,407* PC **A02**/MF **A01**

Effect of Stress Concentrations in Composite Structures.
N85-11140/9 **04**-*507,925* PC **A02**/MF **A01**

Fundamentals of Microcrack Nucleation Mechanics.
N85-16195/8 **10**-*522,084* PC **A05**/MF **A01**

Stresses in Pin-Loaded Orthotropic Plates Using Photoelasticity.
N85-16204/8 **10**-*522,103* PC **A03**/MF **A01**

Integrated Technology Rotor/Flight Research Rotor (ITR/FRR) Concept Definition.
N85-18978/5 **13**-*528,317* PC **A05**/MF **A01**

Stress-Strain Analysis of Silicon Ribbon.
N85-19525/3 **13**-*529,400* PC **A02**/MF **A01**

Local Strain Redistribution Corrections for a Simplified Inelastic Analysis Procedure Based on an Elastic Finite-Element Analysis.
N85-20396/6 **14**-*532,690* PC **A02**/MF **A01**

Local Total Strain Redistribution Using a Simplified Cyclic Inelastic Analysis Based on an Elastic Solution.
N85-21690/1 **14**-*532,695* PC **A02**/MF **A01**

Hybrid and Mixed Finite Element Methods.
N85-23096/9 **15**-*535,089* PC **A02**/MF **A01**

Elasticity Solution of an Adhesively Bonded Joint.
N85-23097/7 **15**-*534,238* PC **A06**/MF **A01**

Experimentally Determined Distribution of Stress around a Horizontally Loaded Model Pile in Dense Sand.
N85-27239/1 **19**-*543,657* PC **A02**/MF **A01**

In Plane Stress Analysis.
N85-27259/9 **19**-*544,296* PC **A02**/MF **A01**

Numerical Analysis of End Effects in Symmetric Laminated Plates.
N85-28977/5 **21**-*548,125* PC **A02**/MF **A01**

Mechanica van Composietmaterialen Theorie en Toepassing (Mechanics of Composite Materials, Theory and Application).
N85-29334/8 **21**-*548,127* PC **A09**/MF **A01**

Clamped Rectangular Plate Containing a Crack.
N85-31552/1 **23**-*554,296* PC **A03**/MF **A01**

Variation of the Stress Intensity Factor Along the Front of a Surface Flaw.
N85-31568/7 **23**-*554,302* PC **A02**/MF **A01**

Stress Distribution in Pin-Loaded Orthotropic Plates.
N85-33547/9 **26**-*561,166* PC **A08**/MF **A01**

Stress Monitoring during Wongawilli Extraction in 3 North Panel, Laleham No. 1 Colliery, South Blackwater, Queensland,
PB85-232429 **23**-*552,714* PC **E04**/MF **E04**

STRESS CORROSION

Stress Corrosion of Ceramic Materials.
AD-A145 945/2 **01**-*501,501* PC **A07**/MF **A01**

Stress Corrosion Cracking and Oxidation Characteristics of Boride-Strengthend Microcrystalline Iron and Nickel Based Alloys.
AD-A149 805/4 **09**-*519,377* PC **A06**/MF **A01**

Stress Corrosion Cracking Behavior of Tungsten Heavy Alloys.
AD-A149 843/5 **09**-*519,378* PC **A08**/MF **A01**

Role of Hydrogen in the Stress Corrosion Failure of High Strength Al-Zn-Mg Alloys.
AD-A150 891/0 **11**-*524,464* PC **A03**/MF **A01**

Effect of Loading History on Stress Corrosion Cracking in High Strength Steel.
AD-A151 611/1 **12**-*527,096* Not available NTIS

A Dislocation Model for Crack Initiation and Propagation by Stress Corrosion in High-Strength Steel.
AD-A153 056/7 **15**-*534,013* Not available NTIS

Stress Corrosion of Ceramic Materials.
AD-A155 020/1 **18**-*540,798* PC **A06**/MF **A01**

Resistance to Fracture, Fatigue and Stress-Corrosion of Al-Cu-Li-Zr Alloys.
AD-A158 407/7 **25**-*558,402* PC **A11**/MF **A01**

Delayed Fracture of Aluminum Alloys.
AD-A158 944/9 **25**-*558,421* PC **A03**/MF **A01**

Effect of Nickel Content on Chlorides Stress Corrosion Cracking of Stainless Steels Containing 23% Chromium.
DE84703513 **10**-*522,119* PC **A03**/MF **A01**

Corrosion Properties of Spacelab Structural Alloy Aluminum 2219-T851.
N84-33585/0 **01**-*501,555* PC **A05**/MF **A01**

Study of Environmental Characterization of Conventional and Advanced Aluminum Alloys for Selection and Design. Phase 1: Literature Review.
N85-11218/3 **04**-*509,425* PC **A06**/MF **A01**

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N85-13037/5 **07**-*514,994* PC **A02**/MF **A01**

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PB85-226991 **22**-*550,482* PC **E05**/MF **E01**

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PB85-863603 **18**-*540,866* PC **N01**/MF **N01**

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PB85-869550 **24**-*555,790* PC **N01**/MF **N01**

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Engineering Property Comparisons of Powder Metallurgy (PM) Alloy X7901-T7E69 and Ingot Metallurgy (IM) Alloy Forgings.
N84-33583/5 **01**-*501,553* PC **A02**/MF **A01**

Study of Environmental Characterization of Conventional and Advanced Aluminum Alloys for Selection and Design. Phase 1: Literature Review.
N85-11218/3 **04**-*509,425* PC **A06**/MF **A01**

Study of Environmental Characterization of Conventional and Advanced Aluminum Alloys for Selection and Design. Phase 2: The Breaking Load Test Method.
N85-11219/1 **04**-*509,426* PC **A14**/MF **A01**

Stochastic Models of Pitting Corrosion of Stainless Steels. Part 1: Modelling of the Initiation and Growth of Pits at Constant Potential.
N85-18151/9 **12**-*527,128* PC **A03**/MF **A01**

Influence of Pretreatment, Environment and Strain Rate on Stress Corrosion Cracking of the Aluminum Alloy 7075-T6.
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N85-29848/7 **21**-*547,325* PC **A03**/MF **A01**

STRESS CYCLES

Distributions of Fatigue Life and Fatigue Strength in Notched Specimens of a Carbon 8-Harness-Satin Laminate.
N85-10407/3 **03**-*506,407* PC **A02**/MF **A01**

Comparison Between Cycle Ergometers with Different Mechanical Braking Systems.
N85-16193/3 **10**-*522,492* PC **A03**/MF **A01**

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Post-Traumatic Stress Disorder with Special Attention to Vietnam Veterans: Selected Bibliography (16th Revision).
PB85-159341 **07**-*514,598* PC **A03**/MF **A01**

STRESS FUNCTIONS

Recent Advances in Hybrid/Mixed Finite Elements.
N85-21687/7 **14**-*532,694* PC **A02**/MF **A01**

STRESS INTENSITY

Stress Intensity Factors for a Circular Ring with Uniform Array of Radial Cracks of Unequal Depth.
AD-A145 893/4 **01**-*502,591* PC **A03**/MF **A01**

Stress Intensity Factors at Radial Cracks of Unequal Depth in Partially Autofrettaged, Pressurized Cylinders.
AD-A157 866/5 **24**-*556,967* PC **A03**/MF **A01**

STRESS INTENSITY FACTORS

Stress Intensity Factor Analyses of Surface Cracks in Three-Dimensional Structures.
DE85701077 **24**-*556,493* PC **A03**/MF **A01**

Review of Chevron-Notched Fracture Specimens.
N84-33834/2 **01**-*502,602* PC **A04**/MF **A01**

Stress Analysis of a Crack-Layer.
N84-34774/9 **02**-*505,062* PC **A05**/MF **A01**

Stress Intensity Factors for Corner Cracks at Holes Located Near an Edge.
N85-13279/3 **07**-*515,579* PC **A07**/MF **A01**

Experimental Compliance Calibration of the NASA Lewis Research Center Mode 2 Fatigue Specimen.
N85-16205/5 **10**-*522,494* PC **A02**/MF **A01**

Crack Problems for Bonded Nonhomogeneous Materials under Antiplane Shear Loading.
N85-19438/9 **13**-*530,534* PC **A02**/MF **A01**

Fracture Analysis of Notched Composites.
N85-20020/2 **14**-*531,840* PC **A03**/MF **A01**

Clamped Rectangular Plate Containing a Crack.
N85-23098/5 **15**-*535,090* PC **A03**/MF **A01**

Stress Intensity Factor in a Tapered Specimen.
N85-23099/3 **15**-*535,091* PC **A03**/MF **A01**

Fracture Mechanics Formulas on Microcomputers.
N85-30362/6 **22**-*551,753* PC **A04**/MF **A01**

Variation of the Stress Intensity Factor Along the Front of a Surface Flaw.
N85-31568/7 **23**-*554,302* PC **A02**/MF **A01**

Cracked Orthotropic Sheet Stiffened by a Semi-Infinite Orthotropic Sheet.
N85-32339/2 **24**-*556,990* PC **A03**/MF **A01**

STRESS MEASUREMENT

Measurement of Stresses in Composites.
AD-A158 938/1 **25**-*558,393* PC **A03**/MF **A01**

Back Stress in Dislocation Creep. Part 1: Basic Concepts and Measuring Techniques.
N85-16206/3 **10**-*522,135* PC **A02**/MF **A01**

STRESS (PHYSIOLOGY)

Hole of Physical and Physiological Capacities and Their Modification on the Tolerance to Various Stress Experienced by Air Force Personnel.
AD-A145 779/5 **01**-*500,859* PC **A08**/MF **A01**

Effects of Helicopter Vibration on the Spinal System.
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DE84701383 **03**-*507,419* PC **A02**/MF **A01**

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DE84702168 **02**-*505,000* PC **A02**/MF **A01**

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DE84702407 **01**-*502,576* PC **A02**/MF **A01**

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DE84702583 **03**-*507,707* PC **A02**/MF **A01**

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DE84702607 **03**-*507,723* PC **A03**/MF **A01**

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DE84702726 **08**-*517,858* PC **A02**/MF **A01**

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DE84702759 **08**-*518,078* PC **A02**/MF **A01**

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DE84703498 **09**-*520,405* PC **A02**/MF **A01**

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DE85008179 **18**-*541,743* PC **A02**/MF **A01**

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DE85016734 **26**-*561,892* PC **A02**/MF **A01**

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DE85700258 **12**-*528,029* PC **A04**/MF **A01**

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DE85700470 **16**-*536,805* PC **A02**/MF **A01**

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DE85700622 **20**-*546,663* PC **A02**/MF **A01**

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DE85700624 **20**-*546,664* PC **A02**/MF **A01**

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DE85701291 **25**-*559,551* PC **A02**/MF **A01**

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DE85702236 **26**-*561,846* PC **A03**/MF **A01**

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DE85781255 **24**-*556,885* PC **A07**/MF **A01**

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PB85-159549 **10**-*523,038* PC **E03**/MF **E03**

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N85-11139/1 **04**-*509,371* PC **A03**/MF **A01**

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N85-32339/2 **24**-*556,990* PC **A03**/MF **A01**

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Superfund Record of Decision (EPA Region 9): Stringfellow Acid Pits Site, Glen Avon, California, July 1984.
PB85-214153 **17**-*538,569* PC **A04**/MF **A01**

STRINGFELLOW SITE

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STRINGS (LINGUISTICS)

Parallel Processing of Encoded Bit Strings.
AD-A149 812/0 **09**-*519,094* PC **A03**/MF **A01**

STRIP MINING

Projeto Mapeamento DA Alteracao Do USO Do Solo DA Regiao Carbonifera de Santa Catarine - Relatorio Preliminar (Mapping Project on Land Use Changes in the Carboniferous Region of Santa Catarina).
N84-33853/2 **01**-*501,152* PC **A02**/MF **A01**

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PB85-107779 **01**-*500,096* PC **A06**/MF **A01**

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PB85-160141 **10**-*521,889* PC **A03**/MF **A01**

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PB85-185759 **16**-*536,270* PC **A04**/MF **A01**

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AD-A147 585/4 **03**-*506,220* PC **A02**/MF **A01**

Microstrip Reactive Circuit Elements.
AD-A147 745/4 **04**-*509,048* PC **A02**/MF **A01**

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AD-A158 313/7 **25**-*558,236* PC **A06**/MF **A01**

Theory and Experiment for Infinite Microstrip Arrays,
AD-P004 615/1 **17**-*537,991* PC **A02**/MF **A01**

Circularly Polarized Microstrip Antennas,
AD-P004 616/9 **17**-*537,992* PC **A02**/MF **A01**

Bonded Stripline Power Splitter for ERS-1.
N85-25740/0 **18**-*540,659* PC **A03**/MF **A01**

MMIC (Monolithic Microwave Integrated Circuit) Devices for Active Phased Array Antennas.
N85-30177/8 **22**-*550,291* PC **A02**/MF **A01**

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PAT-APPL-6-679 972 **07**-*514,867* PC **A02**/MF **A01**

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PB85-865814 **20**-*545,196* PC **N01**/MF **N01**

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DE84702852 **08**-*517,909* PC **A02**/MF **A01**

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PB85-243079 **26**-*561,147* PC **A04**/MF **A01**

STRIPPING ANALYSIS

New Approaches for On-Line Stripping Analysis of Trace Metals in Natural Waters.
PB85-229797 **23**-*552,543* PC **A03**/MF **A01**

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Stripping of Organic Chemicals in Biological Treatment Processes,
PB85-106714 **01**-*501,800* PC **A03**/MF **A01**

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Development of a Low Cost Electrochemical CO Monitor Based on Stripping Voltammetry.
PB85-113470 **02**-*504,510* PC **A05**/MF **A01**

STROBOSCOPES

Spatial and Temporal Parameters of Velocity Discrimination.
AD-A158 735/1 **25**-*557,780* PC **A02**/MF **A01**

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Research and Development on the Modification of Stroma-Free Hemoglobin for Use as a Blood Substitute.
AD-A151 674/9 **12**-*526,356* PC **A03**/MF **A01**

STRONG-COUPLING MODEL

Determinations of the QCD (Quantum Chromodynamics) Strong Coupling alpha sub s and the Scale lambda sub QCD,
PB85-116812 **03**-*507,610* PC **E09**/MF **E09**

STRONG INTERACTIONS

Experimental Test of the Flavor Independence of the Quark-Gluon Coupling Constant.
DE84751533 **08**-*517,944* PC **A02**/MF **A01**

Strong Interactions and Quantum Chromodynamics at the Leading Logarithm Approximation.
DE84751896 **09**-*520,420* PC **A06**/MF **A01**

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DE85003780 **11**-*525,441* PC **A02**/MF **A01**

Natural Class of Non-Peccei-Quinn Models.
DE85007823 **13**-*530,450* PC **A02**/MF **A01**

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DE85007829 **14**-*532,638* PC **A02**/MF **A01**

Measurements of Energy Correlations in e exp + e exp - -> Hadrons.
DE85750282 **15**-*534,895* PC **A03**/MF **A01**

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DE85780126 **10**-*523,029* PC **A02**/MF **A01**

Strong Interaction: Experimental Approaches.
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DE84703042 **02**-*504,725* PC **A02**/MF **A01**

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DE85004777 **12**-*527,747* PC **A07**/MF **A01**

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DE85005139 **11**-*525,108* PC **A07**/MF **A01**

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Groundwater Chemistry Along Flow Paths Between a Proposed Repository Site and the Accessible Environment.
DE85005598 **12**-*527,753* PC **A03**/MF **A01**

Determination of the Major Elements and Trace Metals Present in Bitumen from Several Tar Sand Deposits.
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DE85007682 **13**-*530,112* PC **A02**/MF **A01**

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DE85781519 **25**-*558,060* PC **A02**/MF **A01**

STRONTIUM 100

Study of Transitional Nuclei at TRISTAN. Progress Report.
DE85012463 **24**-*556,785* PC **A02**/MF **A01**

STRONTIUM 101

Study of Transitional Nuclei at TRISTAN. Progress Report.
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STRONTIUM 102

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STRONTIUM 80

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DE85005528 **12**-*527,812* PC **A02**/MF **A01**

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DE85005638 **11**-*525,129* PC **A02**/MF **A01**

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STRONTIUM 86 TARGET

Neutron Density and Temperature of the Weak S-Process Component.
DE85750532 **15**-*534,916* PC **A07**/MF **A01**

STRONTIUM 87 TARGET

Neutron Density and Temperature of the Weak S-Process Component.
DE85750532 **15**-*534,916* PC **A07**/MF **A01**

STRONTIUM 88

Application of the Quasiparticle-Random-Phase Approximation in the Region of the Semi-Magic Nucleus sub 64146 Gd sub 82.
DE84751954 **08**-*517,949* PC **A06**/MF **A01**

STRONTIUM 88 TARGET

Four-Nucleon Pickup Studies on Medium-Weight and Heavy Nuclei with the (D, sup 6 Li) Reaction.
DE85780657 **15**-*534,996* PC **A08**/MF **A01**

STRONTIUM 89

Report on Intercomparison A-12 of the Determination of Radionuclides in Animal Bone.
DE84702665 **01**-*500,851* PC **A03**/MF **A01**

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DE84702931 **09**-*520,049* PC **A03**/MF **A01**

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STRONTIUM 90

Worldwide Deposition of sup 90 Sr Through 1982.
DE84017246 **03**-*507,097* PC **A08**/MF **A01**

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DE84702665 **01**-*500,851* PC **A03**/MF **A01**

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DE85002012 **04**-*508,589* PC **A03**/MF **A01**

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DE85002376 **07**-*515,411* PC **A02**/MF **A01**

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DE85002671 **07**-*515,416* PC **A04**/MF **A01**

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DE85005612 **11**-*525,126* PC **A12**/MF **A01**

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DE85005924 **11**-*525,199* PC **A09**/MF **A01**

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DE85007386 **13**-*530,171* PC **A03**/MF **A01**

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DE85013537 **23**-*553,918* PC **A04**/MF **A01**

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DE85016209 **25**-*559,189* PC **A07**/MF **A01**

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DE85701255 **23**-*553,971* PC **A03**/MF **A01**

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DE85701668 **25**-*559,147* PC **A03**/MF **A01**

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DE85781088 **25**-*559,216* PC **A03**/MF **A01**

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STRONTIUM 99

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DE85012463 **24**-*556,785* PC **A02**/MF **A01**

STRONTIUM FLUORIDES

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AD-A152 853/8 **15**-*535,095* Not available NTIS

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DE85009429 **17**-*538,876* PC **A02**/MF **A01**

Study of Possible Solarization - Related Impurities in CaF sub 2 and Other Fluorides.
DE85014100 **24**-*556,674* PC **A02**/MF **A01**

STRONTIUM IONS

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DE83701473 **24**-*556,383* PC **A02**/MF **A01**

STRONTIUM ISOTOPES

Rb-Sr System. Chemical Procedures.
DE85701451 **24**-*556,286* PC **A04**/MF **A01**

STRONTIUM METHOXIDES

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PB85-205938 **19**-*542,841* Not available NTIS

STRONTIUM SULFIDES

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DE85004697 **11**-*525,618* PC **A02**/MF **A01**

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N84-34302/9 **01**-*502,640* PC **A04**/MF **A01**

STRONTIUM TITANATES

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DE85004296 **09**-*520,739* PC **A02**/MF **A01**

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DE85770126 **12**-*526,700* PC **A19**/MF **A01**

STROUHAL NUMBER

Periodic Vortex Shedding in the Supersonic Wake of a Planar Plate.
N85-25207/0 **18**-*539,651* PC **A02**/MF **A01**

STRUCTURAL ADJUSTMENT

Real Effects of Stabilization and Structural Adjustment Policies: An Extension of the Australian Adjustment Model.
PB85-126209 **05**-*510,792* MF **A01**

STRUCTURAL ADJUSTMENT LENDING

Structural Adjustment Lending: An Evaluation of Program Design.
PB85-246676 **26**-*560,155* MF **A01**

STRUCTURAL ANALYSIS

Review of Imperfection Sensitivity of Stiffened Shells.
AD-A147 311/5 **03**-*507,734* PC **A06**/MF **A01**

Structures to Resist the Effects of Accidental Explosions. Volume 3. Principles of Dynamic Analysis.
AD-A148 895/6 **07**-*515,190* PC **A18**/MF **A01**

Solution Method for Large Deformation Contact Problems.
AD-A149 842/7 **09**-*519,061* PC **A04**/MF **A01**

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AD-A150 992/6 **11**-*523,976* PC **A02**/MF **A01**

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AD-A151 410/8 **12**-*525,878* PC **A03**/MF **A01**

Survey of Aeronautical Structural Research in Australia,
AD-A157 211/4 **23**-*551,913* PC **A03**/MF **A01**

Application of Pasternak Model to some Soil-Structure Interaction Problems. Volume 1. Solutions for Plates Continuously Supported on a Pasternak Base.
AD-A157 776/6 **24**-*556,106* PC **A03**/MF **A01**

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PB85-171734 **13**-*528,886* PC **A02**/MF **A01**

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PB85-181725 **15**-*534,196* PC **E05**/MF **E05**

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N85-32174/3 **24**-*555,336* PC **A02**/MF **A01**

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N85-32175/0 **24**-*555,337* PC **A03**/MF **A01**

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PB85-221729 **19**-*543,563* PC **A09**/MF **A01**

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SULFIDE/METHYL-TRIFLUOROETHYL

Reactions of Polyfluoroalkyl Fluorosulfates with Nucleophiles: An Unusual Substitution at the Sulfur-Fluorine Bond.
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Production of Lead from Sulfides.
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PB85-152221 **09**-*519,035* PC **E03**/MF **E01**

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PB85-199081 **18**-*540,515* PC **A02**/MF **A01**

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PB85-232395 **23**-*552,655* PC **E04**/MF **E01**

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AD-A153 450/2 **16**-*535,809* Not available NTIS

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Bacterial Resistance to Topical Agents,
AD-P004 411/5 **12**-*526,549* PC **A02**/MF **A01**

SULFONATED POLYSULFONE

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PB85-128700 **05**-*511,170* PC **A07**/MF **A01**

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SULFONES

Synthesis of Bromodifluoromethyl Phenyl Sulfide, Sulfoxide and Sulfone.
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SULFONYL HALIDES

Research in Phase Transfer Catalysis.
AD-A148 286/8 **05**-*511,197* PC **A02**/MF **A01**

SULFOXIDE/BROMODIFLUORO METHYL-PHENYL

Synthesis of Bromodifluoromethyl Phenyl Sulfide, Sulfoxide and Sulfone.
AD-A154 539/1 **18**-*540,275* PC **A02**/MF **A01**

SULFOXIDE/DIMETHYL

Chemical Characterization of Dimethylsulfoxide (DMSO) Munitions Recrystallization Process Samples.
AD-A149 103/4 **08**-*516,249* PC **A02**/MF **A01**

SULFOXIDES

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DE85010810 **20**-*546,470* PC **A02**/MF **A01**

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Analysis of S-Adenosylmethionine and Related Sulfur Metabolites in Animal Tissues.
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AD-A150 929/8 **11**-*523,968* PC **A05**/MF **A01**

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DE85010645 **18**-*541,548* PC **A17**/MF **A01**

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DE85750563 **26**-*560,847* PC **A02**/MF **A01**

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DE85770044 **20**-*544,989* PC **A06**/MF **A01**

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DE85901129 **15**-*535,221* PC **A02**/MF **A01**

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INR-1641/20/D/B **20**-*544,995* PC **A02**/MF **A01**

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N85-30163/8 **22**-*551,810* PC **A02**/MF **A01**

Global Sulfur Cycle.
N85-32710/4 **24**-*555,090* PC **A14**/MF **A01**

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PB85-106730 **01**-*501,802* Not available NTIS

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PB85-118248 **04**-*508,827* Not available NTIS

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PB85-122240 **04**-*509,687* PC **E04**/MF **E01**

Data Screening and Calculation Procedures for the North American Precipitation Chemistry Data to Be Used in the International Sulfur Deposition Model Evaluation,
PB85-150852 **09**-*519,651* PC **A02**/MF **A01**

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PB85-161230 11-*524,654* PC **A02**/MF **A01**

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PB85-173649 13-*528,459* PC **A02**/MF **A01**

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PB85-197432 17-*537,721* Not available NTIS

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PB85-203180 18-*540,388* Not available NTIS

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DE84702325 02-*503,575* PC **A09**/MF **A01**

SULFUR 32 REACTIONS

Study of the Electromagnetic Properties of Vibrational Bands in sup 230 Th, sup 232 Th, sup 236 U, and sup 238 U by Means of Coulomb Excitation.
DE85780842 17-*539,414* PC **A06**/MF **A01**

SULFUR 32 TARGET

Optical Models from Low-Energy S-, p- and D-Wave Cross Sections.
DE84017592 03-*507,412* PC **A02**/MF **A01**

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DE84701917 09-*520,314* PC **A07**/MF **A01**

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SULFUR 33

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SULFUR 33 TARGET

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DE84017483 03-*507,408* PC **A02**/MF **A01**

SULFUR 34

Calculation of Reduced Partition Function Ratios of Isotopically Substituted Molecules on a Quantum Chemical Base. Possibilities and Limitations of the Evaluation of Isotope Effects by Means of the Semiempirical MINDO/3- and MNDO-MO Methods.
DE84702325 02-*503,575* PC **A09**/MF **A01**

Isotopic Analysis of Enriched/Depleted SO sub 2 Via Low-Resolution Mass Sectrometry.
DE85006488 11-*525,014* PC **A02**/MF **A01**

SULFUR 34 TARGET

Optical Models from Low-Energy S-, p- and D-Wave Cross Sections.
DE84017592 03-*507,412* PC **A02**/MF **A01**

Photoneutron Cross Section of sup 34 S.
DE84702556 01-*502,519* PC **A02**/MF **A01**

SULFUR 35

Method and Apparatus for S and exp 35 S Analysis in Steel Labelled by exp 35 S.
INR-1641/20/D/B 20-*544,995* PC **A02**/MF **A01**

SULFUR COMPOUNDS

Reactions of Polyfluoroalkyl Fluorosulfates with Nucleophiles: An Unusual Substitution at the Sulfur-Fluorine Bond.
AD-A158 461/4 25-*557,887* PC **A02**/MF **A01**

Stability of Chromium Oxide Scales in Oxygen-Sulfur-Containing Environments at Elevated Temperatures.
DE84016232 01-*501,547* PC **A02**/MF **A01**

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DE85780305 **15**-*534,005* PC **A04**/MF **A01**

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DE85010633 **18**-*541,716* PC **A02**/MF **A01**

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DE85013286 **22**-*551,436* PC **A02**/MF **A01**

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DE85015274 **24**-*556,741* PC **A02**/MF **A01**

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DE85015275 **24**-*556,742* PC **A02**/MF **A01**

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DE85015277 **24**-*556,744* PC **A02**/MF **A01**

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DE85017365 **26**-*561,761* PC **A02**/MF **A01**

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DE85000889 **06**-*513,401* PC **A02**/MF **A01**

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N85-31012/6 **23**-*551,879* PC **A02**/MF **A01**

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AD-P004 438/8 **12**-*527,865* PC **A02**/MF **A01**

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PB85-154268 **09**-*520,751* PC **E03**/MF **E01**

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PB85-213601 **17**-*538,537* PC **A02**/MF **A01**

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PB85-213619 **17**-*538,538* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 1): Re-Solve, Inc. Site, Massachusetts, July 1982.
PB85-213627 **17**-*538,539* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 1): Sylvester Site, Nashua, New Hampshire (Initial Remedial Measure), July 1982.
PB85-213635 **17**-*538,540* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville, Rhode Island, September 1984.
PB85-213643 **17**-*538,541* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Bridgeport Site, New Jersey, December 1984.
PB85-213668 **17**-*538,542* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Burnt Fly Bog Site, New Jersey, November 1983.
PB85-213676 **17**-*538,543* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Chemical Control Site, Elizabeth, New Jersey, September 1983.
PB85-213684 **17**-*538,544* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hudson River PCBs (Polychlorinated Biphenyls) Site, New York, September 1984.
PB85-213692 **17**-*538,545* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Krysowaty Farm Site, Hillsborough, New Jersey, June 1984.
PB85-213700 **17**-*538,546* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Lipari Landfill, New Jersey, August 1982.
PB85-213718 **17**-*538,547* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 2): Lone Pine Landfill, Freehold, New Jersey, September 1984.
PB85-213726 **17**-*538,548* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): PAS (Pollution Abatement Services) Oswego Site, New York, June 1984.
PB85-213734 **17**-*538,549* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Pijak Farm Site, New Jersey, September 1984.
PB85-213742 **17**-*538,550* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Price Landfill, Egg Harbor City, New Jersey, September 1983.
PB85-213759 **17**-*538,551* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 2): Spence Farm Site, New Jersey, September 1984.
PB85-213767 **17**-*538,552* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Bruin Lagoon Site, Pennsylvania, June 1984.
PB85-213783 **18**-*541,189* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 3): Drake Chemical Site, Lock Haven, Pennsylvania, September 1984.
PB85-213791 **18**-*541,190* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Enterprise Avenue Site, Philadelphia, Pennsylvania, May 1984.
PB85-213809 **18**-*541,191* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Fischer and Porter Site, Warminster, Pennsylvania, May 1984.
PB85-213817 **18**-*541,192* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 3): Lehigh Electric Site, Old Forge, Pennsylvania, February 1983.
PB85-213825 **18**-*541,193* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Site, Pennsylvania (Initial Remedial Measure), February 1983.
PB85-213833 **18**-*541,194* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 3): Matthews Electroplating Site, Virginia, June 1983.
PB85-213841 **18**-*541,195* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 3): Tysons Dump Site, Pennsylvania, December 1984.
PB85-213858 **18**-*541,196* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Wade Site (ABM), Chester, Pennsylvania, August 1984.
PB85-213866 **18**-*541,197* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Miami Drum Services Site, Florida, September 1982.
PB85-213874 **17**-*538,553* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 5): A and F Materials, Greenup Site, Illinois (Initial Remedial Measure), November 1983.
PB85-213890 **17**-*538,554* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 5): Charlevoix Site, Michigan (Initial Remedial Measure), June 1984.
PB85-213908 **17**-*538,555* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, Michigan, February 1984.
PB85-213916 **17**-*538,556* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Laskin Poplar Oil Site, Jefferson, Ohio, August 1984.
PB85-213924 **17**-*538,557* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 5): New Brighton Site, Minnesota (Water Supply System), September 1983.
PB85-213940 **17**-*538,559* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 5): Outboard Marine Corporation Site, Waukegan, Illinois, May 1984.
PB85-213957 **17**-*538,560* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Reilly Tar Site, Minnesota, June 1984.
PB85-213965 **17**-*538,561* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, Michigan, May 1984.
PB85-213973 **17**-*538,562* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 6): Bio-Ecology Systems Site, Grand Prairie, Texas, June 1984.
PB85-213999 **18**-*541,198* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 6): Highlands Acid Pit Site, Texas, September 1984.
PB85-214005 **18**-*541,199* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 6): Old Inger Site, Louisiana, September 1984.
PB85-214013 **18**-*541,200* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 6): Tar Creek Site, Oklahoma, June 1984.
PB85-214021 **18**-*541,201* PC **A06**/MF **A01**

Superfund Record of Decision (EPA Region 7): Aidex Site, Council Bluffs, Iowa (Initial Remedial Measure), August 1983.
PB85-214047 **18**-*541,202* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 7): Times Beach, Missouri (Quail Run, Sontag Road, Minker, Stout, Cashel, Sullins), January 1984.
PB85-214054 **18**-*541,203* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 7): Aidex Site, Council Bluffs, Iowa, September 1984.
PB85-214062 **18**-*541,204* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Milltown Site, Montana, April 1984.
PB85-214070 **18**-*541,205* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 9): Celtor Chemical Works Site, Hoopa, California, October 1983.
PB85-214096 **17**-*538,563* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 9): McColl Site, Fullerton, California, April 1984.
PB85-214104 **17**-*538,564* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Mountain View/Globe Site, Arizonia, June 1983.
PB85-214112 **17**-*538,565* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 9): San Gabriel Area 1 Site, California, May 1984.
PB85-214120 **17**-*538,566* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Stringfellow Acid Pits Site, Glen Avon, California (Initial Remedial Measure), July 1983.
PB85-214138 **17**-*538,567* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Taputimu Farm/Insular Territories Site, American Samoa, December 1983.
PB85-214146 **17**-*538,568* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 9): Stringfellow Acid Pits Site, Glen Avon, California, July 1984.
PB85-214153 **17**-*538,569* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay/Tacoma Well 12A Site, Washington, March 1983.
PB85-214179 **17**-*538,570* PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 10): Ponders Corner Site, Washington (Initial Remedial Measure), June 1984.
PB85-214187 **17**-*538,571* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Western Processing Company, Inc. Site, Kent, Washington, August 1984.
PB85-214195 **17**-*538,572* PC **A02**/MF **A01**

Hazardous Waste Sites: Descriptions of Sites on Current National Priorities List, October 1984.
PB85-224756 **22**-*550,661* PC **A23**/MF **A01**

Superfund Record of Decision (EPA Region 1): Sylvester Site, Nashua, New Hampshire, September 1983 (Supplement to July 29, 1982 ROD).
PB85-225514 **19**-*543,564* PC **A02**/MF **A01**

Identification and Evaluation of Sources for the Toxicology Data Bank.
PB85-226421 **22**-*549,957* PC **A09**/MF **A01**

Superfund Record of Decision (EPA Region 6): MOTCO, La Marque, Texas, March 1985.
PB85-229086 **20**-*545,839* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Jibboom Junkyard, Sacramento, California, May 1985.
PB85-229094 **20**-*545,840* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): D'Imperio Property, Hamilton Township, New Jersey, March 1985.
PB85-232064 **20**-*545,841* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Friedman Property, Upper Freehold, New Jersey, April 1985.
PB85-232072 **20**-*545,842* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Love Canal, Niagara Falls, New York, May 1985.
PB85-232080 **20**-*545,843* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Lackawanna Refuse Site, Lackawanna County, Pennsylvania, March 1985.
PB85-232098 **20**-*545,844* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, North Whitehall, Pennsylvania, March 1985.
PB85-232106 **20**-*545,845* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, Schuylkill County, Pennsylvania, June 1985.
PB85-232114 **20**-*545,846* PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Varsol Spill Site, Dade County, Florida, March 1985.
PB85-232122 **20**-*545,847* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Whitehouse Waste Oil Pits, Whitehouse, Florida, May 1985.
PB85-232130 **20**-*545,848* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Byron/Johnson Salvage Yard, Byron, Illinois, March 1985.
PB85-232148 **20**-*545,849* PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): South Tacoma Channel, Well 12A, Tacoma, Washington, May 1985.
PB85-232155 **20**-*545,850* PC **A04**/MF **A01**

Guidance on Remedial Investigations under CERCLA (Comprehensive Environmental Response, Compensation and Liability Act).
PB85-238616 **26**-*561,066* PC **A08**/MF **A01**

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Superfund Record of Decision (EPA Region 5): New Brighton Site, Minnesota (Interim Water Treatment), June 1983.
PB85-213932 **17**-*538,558* PC **A02**/MF **A01**

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Status of Civilian Federal Agencies' Efforts to Address Hazardous Waste Problems on Their Lands.
PB85-111227 **02**-*504,339* PC **A06**/MF **A01**

SUPERGIANT STARS

Outer Atmospheres of Giant and Supergiant Stars.
N85-13703/2 **07**-*514,391* PC **A02**/MF **A01**

Theoretical Studies of Chromospheres and Winds in Cool Stars.
N85-15596/8 **09**-*518,436* PC **A02**/MF **A01**

Better Determinations of Mass Loss Rates for Red Giants and Supergiants.
PB85-147965 **06**-*512,756* Not available NTIS

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Hypermultiplet Couplings in N = 2 Supergravity.
DE84017640 **03**-*507,678* PC **A02**/MF **A01**

Superspace Formulation of New Nonlinear sigma Models.
DE84701952 **02**-*504,994* PC **A03**/MF **A01**

Extra Space-Time Dimensions: Towards a Solution to the Cosmological Constant Problem.
DE84702163 **03**-*505,373* PC **A02**/MF **A01**

Compactification of Supergravity Plus Yang-Mills in Ten Dimensions.
DE84702415 **01**-*502,582* PC **A02**/MF **A01**

Spontaneous Symmetry Breaking and Gauge Invariance in N= 1 Supergravity.
DE84702729 **08**-*518,058* PC **A02**/MF **A01**

Matter Couplings in N= 1 Supergravities.
DE84702742 **08**-*518,067* PC **A02**/MF **A01**

One-Loop Infinities in Dimensionally Reduced Supergravities.
DE84703098 **08**-*518,084* PC **A02**/MF **A01**

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DE84703101 **08**-*518,087* PC **A03**/MF **A01**

Super-Symmetrical Preon Model with SU(2)sub(L)XSU(2)sub(R)XU(1)sub(B-L) Symmetry Broken by Coupling to Supergravity.
DE84703228 **10**-*522,996* PC **A02**/MF **A01**

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DE84780485 **01**-*502,587* PC **A08**/MF **A01**

Supermanifolds and Berezin's New Integral.
DE85001833 **08**-*518,096* PC **A02**/MF **A01**

Canonical Analysis of the Fermion Sector in Higher-Derivative Supergravity.
DE85007826 **13**-*530,516* PC **A02**/MF **A01**

Primordial Inflation and Supergravity.
DE85009538 **18**-*539,741* PC **A02**/MF **A01**

Standard Model and Beyond.
DE85010239 **18**-*541,750* PC **A03**/MF **A01**

Kaluza-Klein Supergravity in Ten Dimensions.
DE85700018 **09**-*520,651* PC **A03**/MF **A01**

SU(3)XSU(2)XU(1) Invariant Compactifying Solutions to 11-Dimensional Supergravity.
DE85700095 **09**-*520,664* PC **A02**/MF **A01**

Towards a Self-Consistent Computation of Vacuum Energy in 11-Dimensional Supergravity.
DE85700096 **09**-*520,665* PC **A02**/MF **A01**

Spectrum of the Eleven Dimensional Supergravity Compactified on the Round Seven Sphere.
DE85700196 **10**-*523,075* PC **A02**/MF **A01**

Introduction to Supergravity.
DE85700198 **10**-*523,076* PC **A03**/MF **A01**

Stability of Instanton Induced Compactification in 8-Dimensions.
DE85700200 **10**-*523,077* PC **A03**/MF **A01**

Generation of Composite Operators in Supergravity.
DE85700260 **12**-*528,065* PC **A02**/MF **A01**

Simple Proof of the Generalized Electrostatic Israel Theorem.
DE85700469 **16**-*536,893* PC **A02**/MF **A01**

Dynamical Mass Generation for the Gravitino in Simple N= 1 Supergravity.
DE85700480 **16**-*536,901* PC **A02**/MF **A01**

Isometry Group and Killing Spinors for the pp Wave Space Time in D= 11 Supergravity.
DE85701134 **20**-*546,929* PC **A02**/MF **A01**

Matter and Gauge Couplings of N= 2 Supergravity in Six Dimensions.
DE85701136 **20**-*546,931* PC **A02**/MF **A01**

Chiral Compactification on Minkowski X S exp 2 of N= 2 Einstein-Maxwell Supergravity in Six Dimensions.
DE85701138 **20**-*546,933* PC **A02**/MF **A01**

Spectrum of D= 11 Supergravity Via Harmonic Expansions S sup 4 XS sup 7.
DE85701139 **20**-*546,934* PC **A04**/MF **A01**

Non-Minimal N= 1 Supergravity and Broken Global Supersymmetry.
DE85701140 **20**-*546,935* PC **A02**/MF **A01**

Supergravity in D= 9 and Its Coupling to Non-Compact sigma-Model.
DE85701141 **20**-*546,936* PC **A02**/MF **A01**

Towards Realistic D= 6, N= 2 Kaluza-Klein Supergravity on Coset E sub 7 /SO(12)XSp(1) with Chiral Fermions.
DE85701143 **20**-*546,938* PC **A02**/MF **A01**

Unconstrained N= 2 Matter, Yang-Mills and Supergravity Theories in Harmonic Superspace.
DE85701145 **20**-*546,940* PC **A04**/MF **A01**

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DE85701289 **25**-*559,723* PC **A03**/MF **A01**

Grassmann Expansion of the Classical N= 2 Supergravity Field Equations.
DE85701399 **22**-*551,730* PC **A02**/MF **A01**

New Compactifications in Seven and Eleven Dimensional Supergravity Theories.
DE85701550 **24**-*556,942* PC **A02**/MF **A01**

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DE85701554 **24**-*556,946* PC **A02**/MF **A01**

Cosmological Solutions in D= 6, N= 2 Kaluza-Klein Supergravity. Friedmann Universe Without Fine-Tuning.
DE85701588 **24**-*554,654* PC **A02**/MF **A01**

Three Lectures on Supersymmetry and Supergravity.
DE85701693 **25**-*559,725* PC **A03**/MF **A01**

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DE85701764 **25**-*557,282* PC **A02**/MF **A01**

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DE85750608 **15**-*535,043* PC **A04**/MF **A01**

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DE85751146 **25**-*559,752* PC **A02**/MF **A01**

Spin (3/2,1) Multiplet and Superspace Geometry.
DE85751148 **25**-*559,754* PC **A02**/MF **A01**

Lagrangians of N= 2 Supergravity-Matter Systems.
DE85752217 **25**-*559,763* PC **A04**/MF **A01**

Off Shell N= 1 Supergravity Theory in Six Dimensions.
DE85780323 **15**-*535,058* PC **A03**/MF **A01**

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JINR-E-2-12469 **20**-*546,964* PC **A02**/MF **A01**

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DE85003801 **12**-*527,027* PC **A03**/MF **A01**

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DE85006526 **15**-*533,929* PC **A03**/MF **A01**

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Application of Nomographs for Analysis and Prediction of Receiver Spurious Response EMI.
AD-A158 652/8 **25**-*558,126* PC **A02**/MF **A01**

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Shuttle S-Band High Gain Switched Beam Breadboard Antennas.
N85-19327/4 **13**-*529,251* PC **A06**/MF **A01**

Development and Flight Test of a Helicopter, X-Band, Portable Precision Landing System Concept.
N85-26721/9 **19**-*542,110* PC **A02**/MF **A01**

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PB85-200673 **18**-*541,411*
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DE84005856 **19**-*544,132* PC **A15**/MF **A01**

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DE85002886 **08**-*517,825* PC **A02**/MF **A01**

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DE85002900 **08**-*517,826* PC **A02**/MF **A01**

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DE85015249 **25**-*559,462* PC **A02**/MF **A01**

On-Line Velocity Measurements Using Phase Probes at the SuperHILAC.
DE85015279 **24**-*556,746* PC **A02**/MF **A01**

SUPERHYBRID MATERIALS

Fabrication and Quality Assurance Processes for Superhybrid Composite Fan Blades.
N85-14882/3 **09**-*520,912* PC **A02**/MF **A01**

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PB85-230852 **23**-*554,320* Not available NTIS

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DE85000984 **04**-*510,386* PC **A02**/MF **A01**

Investigation of Phase Transitions in a Superionic Conductor Using the Neutron Scattering Method.
DE85701030 **22**-*551,251* PC **A02**/MF **A01**

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Conceptual Design of Production Systems for NOSR 1. Naval Oil Shale Reserves Management Support and Systems Engineering Project.
DE84006941 **08**-*518,207* PC **A05**/MF **A01**

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AD-A152 933/8 **15**-*534,732* Not available NTIS

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AD-A156 080/4 **21**-*549,150* PC **A02**/MF **A01**

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AD-A156 243/8 **21**-*549,153* PC **A03**/MF **A01**

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AD-A157 730/3 **24**-*556,995* PC **A02**/MF **A01**

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AD-A158 426/7 **25**-*559,429* PC **A02**/MF **A01**

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AD-A158 485/3 **25**-*559,784* PC **A02**/MF **A01**

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AD-A158 508/2 **25**-*559,785* PC **A02**/MF **A01**

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DE84012979 **03**-*507,749* PC **A02**/MF **A01**

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DE85001903 **04**-*510,179* PC **A02**/MF **A01**

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DE85002944 **15**-*534,740* PC **A02**/MF **A01**

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DE85003533 **09**-*520,730* PC **A02**/MF **A01**

Strained-Layer Superlattices and Strain-Induced Light Holes.
DE85003675 **11**-*525,610* PC **A02**/MF **A01**

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DE85003676 **11**-*525,611* PC **A02**/MF **A01**

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DE85004466 **11**-*525,333* PC **A02**/MF **A01**

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DE85014437 **24**-*556,598* PC **A03**/MF **A01**

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DE85014441 **24**-*555,753* MF **A01**

Metallic Multilayers and Superlattices.
DE85014444 **24**-*555,755* PC **A02**/MF **A01**

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DE85017160 **26**-*561,690* PC **A02**/MF **A01**

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N85-17711/1 **11**-*525,648* PC **A03**/MF **A01**

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N85-18791/2 **12**-*527,663* PC **A02**/MF **A01**

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PB85-236925
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23-*552,772*
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23-*554,173*
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PB85-869832 **24**-*555,568* PC **N01**/MF **N01**

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AD-A151 111/2 **12**-*525,974* PC **A02**/MF **A01**

X-Ray Spectra of Supernova Remnants.
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AD-A155 163/9 **19**-*543,990* PC **A06**/MF **A01**

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N84-33412/7 **01**-*502,743* PC **A08**/MF **A01**

Turbulence Characteristics of Swirling Flowfields.
N85-26717/7 **19**-*544,329* PC **A12**/MF **A01**

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AD-P004 561/7 **15**-*535,138* PC **A02**/MF **A01**

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PB85-851699 **03**-*506,239* PC **N01**/MF **N01**

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PB85-851715 **03**-*506,240* PC **N01**/MF **N01**

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AD-A147 475/8 **03**-*506,218* PC **A02**/MF **A01**

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AD-A149 828/6 **09**-*519,060* PC **A05**/MF **A01**

Holoswitch - Phase I.
AD-A152 212/7 **13**-*530,347* PC **A02**/MF **A01**

High-Speed InP Based Photodetectors.
AD-A152 719/1 **14**-*531,632* PC **A02**/MF **A01**

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AD-A154 109/3 **17**-*537,876* PC **A07**/MF **A01**

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AD-A158 411/9 **25**-*558,125* PC **A06**/MF **A01**

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DE84016982 **02**-*503,772* PC **A03**/MF **A01**

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DE84702422 **01**-*502,132* PC **A03**/MF **A01**

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DE85002003 **08**-*516,573* PC **A02**/MF **A01**

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DE85008244 **17**-*538,827* PC **A02**/MF **A01**

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DE85011080 **17**-*538,869* PC **A02**/MF **A01**

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DE85011384 **19**-*543,801* PC **A03**/MF **A01**

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DE85011917 **22**-*550,174* PC **A02**/MF **A01**

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DE85012756 **21**-*547,898* PC **A02**/MF **A01**

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DE85013088 **22**-*551,005* PC **A03**/MF **A01**

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DE85013119 **21**-*548,829* PC **A03**/MF **A01**

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DE85013955 **25**-*558,907* PC **A02**/MF **A01**

Rimfire: A Six Megavolt Laser-Triggered Gas-Filled Switch for PBFA II.
DE85013959 **24**-*556,242* PC **A02**/MF **A01**

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DE85901150 **18**-*540,556* PC **A02**/MF **A01**

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DE85901461 **26**-*560,660* PC **A02**/MF **A01**

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N85-11294/4 **04**-*509,066* PC **A04**/MF **A01**

High-Temperature Optically Activated GaAs Power Switching for Aircraft Digital Electronic Control.
N85-12901/3 **07**-*514,337* PC **A10**/MF **A01**

New Very High Voltage Semiconductor Switch.
N85-20246/3 **14**-*531,641* PC **A02**/MF **A01**

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PAT-APPL-6-572 338 **21**-*548,013* PC **A02**/MF **A01**

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PAT-APPL-6-596 870 **21**-*548,968* PC **A02**/MF **A01**

High or Low-Side Solid State Relay with Current Limiting and Operational Testing.
PAT-APPL-6-629 862 **01**-*501,382* PC **A02**/MF **A01**

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PAT-APPL-6-662 641 **21**-*549,060* PC **A02**/MF **A01**

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PAT-APPL-6-662 642 **21**-*549,061* PC **A03**/MF **A01**

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PATENT-4 469 998 **02**-*503,845* Not available NTIS

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PB85-164606 **11**-*524,213* PC **E04**/MF **E01**

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PB85-229607 **23**-*552,765* PC **E03**/MF **E03**

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AD-A146 193/8 **01**-*502,077* PC **A03**/MF **A01**

The Experimental Integrated Switched Network - A System-Level Network Test Facility.
AD-A147 608/4 **04**-*509,916* PC **A02**/MF **A01**

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AD-A147 934/4 **04**-*509,925* PC **A02**/MF **A01**

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AD-A154 629/0 **16**-*540,656* PC **A10**/MF **A01**

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AD-A157 124/9 **23**-*553,757* PC **A02**/MF **A01**

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AD-A157 739/4 **24**-*556,201* PC **A06**/MF **A01**

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DE85007931 **15**-*533,820* PC **A02**/MF **A01**

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DE85013642 **22**-*550,289* PC **A02**/MF **A01**

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DE85014124 **24**-*555,589* PC **A02**/MF **A01**

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N85-20531/8 **14**-*531,798* PC **A02**/MF **A01**

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PATENT-4 464 710 **02**-*503,860* Not available NTIS

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PATENT-4 469 961 **03**-*506,921* Not available NTIS

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PATENT-4 523 104 **26**-*560,732* Not available NTIS

New Application of Amorphous Magnetic Devices to Switching Power Supply.
PB85-105245 **03**-*506,204*
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Elevator/Hatch Controller Platform Leveling Logic with Safety Features.
PATENT-4 487 293 **14**-*532,209* Not available NTIS

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PB85-231629 **23**-*553,784* PC **E04**/MF **E01**

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DE84770175 **03**-*506,276* PC **A03**/MF **A01**

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DE84770389 **04**-*509,215* PC **A03**/MF **A01**

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DE84770403 **04**-*509,220* PC **A12**/MF **A01**

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DE85750067 **09**-*519,233* PC **A04**/MF **A01**

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DE85770134 **12**-*527,008* PC **A04**/MF **A01**

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DE85770183 **14**-*530,847* PC **A04**/MF **A01**

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DE85770272 **20**-*545,352* PC **A04**/MF **A01**

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DE85770274 **20**-*545,354* PC **A04**/MF **A01**

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DE85781438 **25**-*557,424* PC **A02**/MF **A01**

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NUREG/CR-4147 **17**-*538,306* PC **A05**/MF **A01**

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AD-A155 266/0 **19**-*543,256* PC **A02**/MF **A01**

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Superfund Record of Decision (EPA Region 1): Sylvester Site, Nashua, New Hampshire (Initial Remedial Measure), July 1982.
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PB85-225514 **19**-*543,564* PC **A02**/MF **A01**

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AD-A147 074/9 **02**-*503,245* PC **A02**/MF **A01**

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ED-253 201 **16**-*535,588* Not available NTIS

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ED-256 355 **25**-*557,513* Not available NTIS

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ED-249 923 **11**-*523,553* Not available NTIS

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AD-A148 913/7 **07**-*514,806* PC **A02**/MF **A01**

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AD-A151 376/1 **12**-*526,898* PC **A03**/MF **A01**

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AD-A156 348/5 **21**-*547,515* PC **A02**/MF **A01**

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N85-27544/4 **19**-*543,046* PC **A02**/MF **A01**

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Implementation of Korean and Chinese Characters through Computer.
AD-A152 136/8 **13**-*529,173* PC **A04**/MF **A01**

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AD-A153 225/8 **15**-*533,811* PC **A03**/MF **A01**

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AD-A155 487/2 **19**-*542,875* PC **A08**/MF **A01**

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N85-28640/9 **20**-*545,239* PC **A04**/MF **A01**

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PB85-241883 **26**-*561,071* PC **A03**/MF **A01**

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United States Trademarks - Applications.
PB85-913900 **08**-*515,920* Standing Order

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AD-A146 261/3 **01**-*502,369* PC **A05**/MF **A01**

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DE85751162 **25**-*559,756* PC **A02**/MF **A01**

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Spontaneous Breaking of Supersymmetry.
DE82005802 **24**-*556,779* PC **A02**/MF **A01**

Broken Supersymmetries in High Energy Physics.
DE83704490 **02**-*504,944* PC **A02**/MF **A01**

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DE84016439 **03**-*507,391* PC **A02**/MF **A01**

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DE84701956 **02**-*504,996* PC **A02**/MF **A01**

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DE84702058 **02**-*505,068* PC **A02**/MF **A01**

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DE84702193 **03**-*507,700* PC **A03**/MF **A01**

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DE84702404 **01**-*502,481* PC **A02**/MF **A01**

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DE84702417 **01**-*502,482* PC **A02**/MF **A01**

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DE84702729 **08**-*518,058* PC **A02**/MF **A01**

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DE85004444 **22**-*551,509* PC **A05**/MF **A01**

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DE85701291 **25**-*559,551* PC **A02**/MF **A01**

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DE85751060 **19**-*544,186* PC **A02**/MF **A01**

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N85-11658/0 **04**-*510,353* PC **A02**/MF **A01**

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DE84752101 **08**-*517,963* PC **A02**/MF **A01**

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DE85701408 **22**-*551,786* PC **A02**/MF **A01**

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DE85750914 **15**-*535,057* PC **A03**/MF **A01**

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AD-A153 655/6 **16**-*536,701* PC **A03**/MF **A01**

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AD-P004 860/3 **23**-*554,128* PC **A02**/MF **A01**

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AD-P004 870/2 **23**-*553,753* PC **A02**/MF **A01**

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AD-P004 884/3 **23**-*554,098* PC **A02**/MF **A01**

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PAT-APPL-6-758 928 **26**-*561,677* PC **A02**/MF **A01**

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AD-A148 073/0 **04**-*508,498* PC **A02**/MF **A01**

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AD-A145 769/6 **01**-*501,717* PC **A03**/MF **A01**

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AD-A145 855/3 **01**-*500,379* PC **A24**/MF **A01**

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AD-A145 879/3 **01**-*500,825* PC **A03**/MF **A01**

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AD-A145 911/4 **01**-*500,870* PC **A02**/MF **A01**

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AD-A146 264/7 **01**-*502,617* PC **A04**/MF **A01**

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AD-A146 400/7 **01**-*500,872* PC **A15**/MF **A01**

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AD-A146 784/4 **02**-*505,085* Not available NTIS

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AD-A146 847/9 **02**-*504,102* PC **A25**/MF **A01**

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AD-A146 983/2 **02**-*503,288* Not available NTIS

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AD-A147 163/0 **02**-*505,098* PC **A17**/MF **A01**

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AD-A147 281/0 **03**-*505,919* PC **A05**/MF **A01**

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AD-A147 332/1 **03**-*505,572* PC **A16**/MF **A01**

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AD-A147 396/6 **03**-*505,252* PC **A18**/MF **A01**

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AD-A147 625/8 **04**-*507,902* PC **A16**/MF **A01**

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AD-A148 082/1 **04**-*510,356* PC **A08**/MF **A01**

Shock and Vibration Bulletin. Part 2. Isolation and Damping, Impact, Blast.
AD-A148 083/9 **04**-*510,357* PC **A11**/MF **A01**

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AD-A148 084/7 **04**-*510,358* PC **A06**/MF **A01**

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AD-A148 085/4 **04**-*510,359* PC **A10**/MF **A01**

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AD-A148 131/6 **04**-*510,360* PC **A07**/MF **A01**

Shock and Vibration Bulletin. Part 2. Ship Shock, Shock and Blast and Ground Shock.
AD-A148 132/4 **04**-*510,361* PC **A12**/MF **A01**

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AD-A148 133/2 **04**-*510,362* PC **A08**/MF **A01**

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AD-A148 194/4 **05**-*511,809* PC **A14**/MF **A01**

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AD-A148 330/4 **05**-*510,572* PC **A16**/MF **A01**

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AD-A148 388/2 **05**-*512,524* Not available NTIS

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AD-A148 389/0 **05**-*512,390* Not available NTIS

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AD-A148 390/8 **05**-*511,962* Not available NTIS

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AD-A148 470/8 **05**-*512,438* PC **A99**/MF **A01**

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AD-A148 507/7 **05**-*511,489* Not available NTIS

Proceedings of the Symposium on Nondestructive Evaluation (14th) Held at San Antonio, Texas on 19-21 April 1983,
AD-A148 529/1 **05**-*512,052* Not available NTIS

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AD-A148 598/6 **06**-*513,555* PC **A14**/MF **A01**

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AD-A148 634/9 **06**-*513,789* PC **A22**/MF **A01**

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AD-A148 635/6 **06**-*513,790* PC **A18**/MF **A01**

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AD-A148 683/6 **06**-*513,170* PC **A02**/MF **A01**

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AD-A148 724/8 **06**-*513,644* Not available NTIS

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AD-A148 817/0 **06**-*512,662* PC **A15**/MF **A01**

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AD-A148 878/2 **07**-*515,263* PC **A07**/MF **A01**

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AD-A148 914/5 **07**-*514,646* PC **A08**/MF **A01**

Conference Proceedings of Operational Loads Data Held at Sienna, Italy on 2-6 April 1984,
AD-A149 025/9 **07**-*514,329* PC **A14**/MF **A01**

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AD-A149 033/3 **07**-*514,582* PC **A11**/MF **A01**

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AD-A149 086/1 **07**-*515,299* PC **A06**/MF **A01**

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AD-A149 125/7 **08**-*517,396* PC **A12**/MF **A01**

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AD-A149 133/1 **08**-*516,175* PC **A07**/MF **A01**

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AD-A149 163/8 **08**-*517,247* PC **A99**/MF **E03**

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AD-A149 185/1 **08**-*517,397* PC **A03**/MF **A01**

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AD-A149 198/4 **08**-*515,982* PC **A19**/MF **A01**

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AD-A149 200/8 **08**-*515,866* PC **A16**/MF **A01**

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AD-A149 201/6 **08**-*516,179* PC **A16**/MF **A01**

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AD-A149 202/4 **08**-*515,867* PC **A14**/MF **A01**

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AD-A149 291/7 **08**-*517,074* PC **A21**/MF **A01**

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AD-A149 385/7 **08**-*516,937* Not available NTIS

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AD-A149 386/5 **08**-*516,491* PC **A13**/MF **A01**

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AD-A149 496/2 **08**-*516,607* PC **A19**/MF **A01**

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AD-A149 497/0 **08**-*516,013* PC **A02**/MF **A01**

Proceedings of the Tri-Service Performance Measurement Conference Held at New Braunfels, Texas on 11-15 June 1984.
AD-A149 511/8 **08**-*516,190* PC **A17**/MF **A01**

International Conference on Robot Vision and Sensory Controls (4th) Held at London on 9-11 October 1984.
AD-A149 524/1 **08**-*517,207* PC **A02**/MF **A01**

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AD-A149 611/6 **09**-*520,687* PC **A24**/MF **A01**

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AD-A149 829/4 **09**-*518,471* PC **A10**/MF **A01**

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AD-A149 970/6 **09**-*518,337* PC **A14**/MF **A01**

Advanced Aircrew Display Symposium Proceedings (6th) Held at Patuxent River, Maryland on 15-16 May 1984.
AD-A150 044/6 **09**-*518,349* PC **A10**/MF **A01**

Proceedings of the Conference on Fleet Marine Force Combat Casualty Information System Held at San Diego, California on 2-4 April 1984.
AD-A150 133/7 **09**-*518,633* PC **A06**/MF **A01**

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AD-A150 576/7 **10**-*520,958* PC **A02**/MF **A01**

Proceedings of the International Conference on the Performance of Off-Road Vehicles and Machines (8th). Volume 3. Held at Cambridge England, on August 5-11, 1984.
AD-A150 653/4 **11**-*524,688* PC **A17**/MF **A01**

European Specialist Workshop on Active Microwave Semiconductor Devices (9th) Held at Veldhoven, The Netherlands on 10-12 October 1984. Programme and Book of Abstracts.
AD-A150 996/7 **11**-*524,200* PC **A04**/MF **A01**

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AD-A151 298/7 **12**-*527,144* PC **A17**/MF **A01**

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AD-A151 360/5 **12**-*526,580* PC **A08**/MF **A01**

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AD-A151 506/3 **12**-*526,655* PC **A10**/MF **A01**

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AD-A151 518/8 **12**-*527,572* PC **A10**/MF **A01**

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AD-A151 545/1 **12**-*527,575* MF **A01**

Proceedings of the 1983 Spring Meeting of the Packaging, Handling and Transportability Division of the American Defense Preparedness Association Held at Port Hueneme, California on April 26-28, 1983.
AD-A151 596/4 **12**-*527,580* PC **A10**/MF **A01**

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AD-A151 597/2 **12**-*526,910* PC **A12**/MF **A01**

Proceedings of the American Defense Preparedness Association on Milcon III, Military Computers and Software Held at Washington, DC on January 25-26, 1984.
AD-A151 598/0 **12**-*526,911* PC **A06**/MF **A01**

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AD-A151 676/4 **12**-*527,615* PC **A14**/MF **A01**

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AD-A152 062/6 **13**-*530,281* PC **A99**/MF **E03**

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AD-A152 119/4 **13**-*529,108* PC **A20**/MF **A01**

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AD-A152 456/0 **14**-*532,688* PC **A02**/MF **A01**

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AD-A152 459/4 **14**-*531,169* PC **A05**/MF **A01**

Science and Technology in the Soviet Union: Proceedings of a Conference Held at Stanford, California on 26-27 July 1984.
AD-A152 828/0 **15**-*533,018* PC **A10**/MF **A01**

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AD-A152 888/4 **15**-*533,995* PC **A02**/MF **A01**

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AD-A153 143/3 **15**-*534,790* PC **A09**/MF **A01**

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AD-A153 207/6 **15**-*534,091* PC **A06**/MF **A01**

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AD-A153 383/5 **15**-*534,505* PC **A11**/MF **A01**

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AD-A153 409/8 **16**-*535,964* PC **A19**/MF **A01**

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AD-A153 425/4 **16**-*536,920* Not available NTIS

Proceedings of the Annual Conference on Magnetism and Magnetic Materials (30th) Held at San Diego, California on 27-30 November 1984. Part B.
AD-A153 426/2 **16**-*536,921* Not available NTIS

Proceedings of the Annual Symposium on the Role of Behavioral Science in Physical Security (10th) - Outthinking the Terrorist: An International Challenge Held at Springfield, Virginia on 23-24 April 1985,
AD-A153 506/1 **16**-*535,497* PC **A06**/MF **A01**

Proceedings of the ARO (Army Research Office) Workshop on Analytical and Computational Issues in Logistics R & D Held at George Washington University, Washington, DC on 7-9 May 1984. Volume 2.
AD-A153 853/7 **16**-*536,455* PC **A10**/MF **A01**

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AD-A153 873/5 **16**-*535,432* PC **A09**/MF **A01**

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AD-A154 047/5 **17**-*538,313* PC **A99**/MF **E04**

Proceedings of the USAF Logistics Capability Assessment Symposium LOGCAS 82 Held at USAF Academy, Colorado on 15-19 March 1982.
AD-A154 203/4 **17**-*538,758* PC **A99**/MF **A01**

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AD-A155 514/3 **19**-*543,419* PC **A11**/MF **A01**

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AD-A155 813/9 **21**-*547,689* PC **A02**/MF **A01**

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AD-A155 814/7 **21**-*547,918* Not available NTIS

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AD-A155 853/5 **21**-*547,218* PC **A17**/MF **A01**

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AD-A155 863/4 **21**-*547,740* PC **A02**/MF **A01**

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AD-A155 882/4 **21**-*547,741* Not available NTIS

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AD-A156 067/1 **21**-*547,301* PC **A02**/MF **A01**

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AD-A156 068/9 **21**-*547,302* PC **A11**/MF **A01**

DoD Value Engineering Conference Report. Value Engineering (VE) - A Tool that Benefits Line Management Held at Leesburg, Virginia on 1-2 November 1984. Part 3. Workshop A: VE in the Program Office,
AD-A156 069/7 **21**-*547,303* PC **A03**/MF **A01**

DoD Value Engineering Conference Report. Value Engineering (VE) - A Tool that Benefits Line Management Held at Leesburg, Virginia on 1-2 November 1984. Part 5. Workshop C: VEP/VECP Administration, Negotiation, and Implementation,
AD-A156 071/3 **21**-*547,305* PC **A02**/MF **A01**

DoD Value Engineering Conference Report. Value Engineering (VE) - A Tool that Benefits Line Management Held at Leesburg, Virginia on 1-2 November 1984. Part 6. Workshop D: VE Training/Orientation,
AD-A156 072/1 **21**-*547,306* PC **A03**/MF **A01**

DoD Value Engineering Conference Report. Value Engineering (VE) - A Tool that Benefits Line Management Held at Leesburg, Virginia on 1-2 November 1984. Part 7. Workshop E: VE in Construction and Architect Engineer Contracts,
AD-A156 073/9 **21**-*547,307* PC **A04**/MF **A01**

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AD-A156 354/3 **21**-*548,619* Not available NTIS

Proceedings of the International Conference (1st) on 'Effects of Modes of Formation on the Structure of Glass' Held at Vanderbilt University, Nashville, Tennessee on July 9-12 1984,
AD-A156 581/1 **21**-*548,105* Not available NTIS

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AD-A156 733/8 **22**-*550,158* PC **A07**/MF **A01**

Preliminary Reports, Memoranda and Technical Notes of the Materials Research Council Summer Conference, La Jolla, California,
AD-A156 776/7 **22**-*551,762* PC **A11**/MF **A01**

Proceedings of a Workshop on Radiofrequency Radiation Bioeffects Held at Wachtberg-Werthhoven (Germany, F.R.) on 11-13 September 1984.
AD-A157 090/2 **23**-*552,393* PC **A11**/MF **A01**

Metalorganic Vapour Phase Epitaxy 1984: Proceedings of the International Conference on Metalorganic Vapour Phase Epitaxy (2nd) Held at Sheffield (United Kingdom) on 10-12 April 1984,
AD-A157 117/3 **23**-*554,154* Not available NTIS

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AD-A157 192/6 **23**-*554,157* Not available NTIS

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AD-A157 194/2 **23**-*554,310* Not available NTIS

Materials Research Society Symposia Proceedings. Volume 38. Plasma Synthesis and Etching of Electronic Materials Held on November 27-30 1984 at Boston, Massachusetts,
AD-A157 195/9 **23**-*554,159* Not available NTIS

Materials Research Society Symposia Proceedings. Volume 40. Electronic Packaging Materials Science Held on November 27-29, 1984 at Boston, Massachusetts,
AD-A157 197/5 **23**-*552,863* Not available NTIS

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AD-A157 358/3 **23**-*552,492* PC **A02**/MF **A01**

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AD-A157 360/9 **23**-*554,312* Not available NTIS

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AD-A157 361/7 **23**-*554,313* Not available NTIS

Modulation of Cell Surface Antigens Accompanies Morphological Differentiation of Human Neuroblastoma Cell Lines.
AD-A157 760/0 **24**-*554,986* PC **A03**/MF **A01**

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AD-A157 852/5 **24**-*554,802* PC **A06**/MF **A01**

Data Base Management: Proceedings of a Conference, November 1-2, 1984 Held at Monterey, California.
AD-A158 285/7 **24**-*555,524* PC **A14**/MF **A01**

Laser Chemical Processing of Semiconductor Devices.
AD-A158 473/9 **25**-*559,386* PC **A07**/MF **A01**

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AD-A158 830/0 **25**-*557,951* PC **A09**/MF **A01**

Proceedings of the Air Power Symposium on the Role of Airpower in Low Intensity Conflict (9th) Held at Maxwell AFB, Alabama on 11-13 March 1985,
AD-A158 845/8 **25**-*558,866* PC **A09**/MF **A01**

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AD-A158 846/6 **25**-*558,867* PC **A10**/MF **A01**

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AD-A158 847/4 **25**-*558,868* PC **A19**/MF **A01**

Proceedings of the Air Power Symposium on the Role of Airpower in Low Intensity Conflict (9th) Held at Maxwell AFB, Alabama on 11-13 March 1985. Appendix 3. Symposium Papers,
AD-A158 848/2 **25**-*558,869* PC **A12**/MF **A01**

Calendars of Selected Aeronautical and Space Meetings. July 1985--Translation.
AD-A158 894/6 **25**-*559,972* PC **A07**/MF **A01**

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AD-A158 898/7 **25**-*558,533* Not available NTIS

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AD-A158 920/9 **25**-*558,749* PC **A99**/MF **E05**

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DE84006577 **24**-*555,608* PC **A02**/MF **A01**

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DE85751844 **22**-*551,829* PC **A11**/MF **A01**

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AD-A148 376/7 **05**-*511,128* PC **A02**/MF **A01**

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AD-A148 384/1 **05**-*511,119* PC **A04**/MF **A01**

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AD-A154 511/0 **18**-*540,186* PC **A03**/MF **A01**

SYNAPSIN 1

Role of Protein Phosphorylation in Regulation of Bioreactivity.
AD-A158 875/5 **25**-*557,604* PC **A02**/MF **A01**

SYNAPSIN 3

Role of Protein Phosphorylation in Regulation of Bioreactivity.
AD-A158 875/5 **25**-*557,604* PC **A02**/MF **A01**

SYNCHROCHECK TRAFFIC OFFSET TIMER

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PB85-179661 **14**-*532,111* PC **A03**/MF **A01**

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AD-A153 189/6 **15**-*533,869* Not available NTIS

Precise Time Transfer Using MKIII VLBI (Very Long Baseline Interferometry) Technology,
AD-P004 593/0 **15**-*534,358* PC **A02**/MF **A01**

Validation of a Fault-Tolerant Clock Synchronization System.
N84-34198/1 **01**-*501,335* PC **A02**/MF **A01**

Timing Performance of Phased-Locked Loops in Optical Pulse Position Modulation Communication Systems.
N84-34253/4 **01**-*502,092* PC **A06**/MF **A01**

Synchronization and Fault-Masking in Redundant Real-Time Systems.
N85-28644/1 **20**-*545,218* PC **A03**/MF **A01**

Phase Locked Loop Synchronization for Direct Detection Optical PPM (Pulse Position Modulation) Communication Systems.
N85-30178/6 **22**-*550,932* PC **A04**/MF **A01**

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AD-A146 251/4 **01**-*502,080* PC **A05**/MF **A01**

Fundamental Limits to Synchronization and Tracking.
AD-A149 623/1 **09**-*519,137* PC **A10**/MF **A01**

New Fault-Tolerant Algorithm for Clock Synchronization.
AD-A154 771/0 **18**-*540,583* PC **A03**/MF **A01**

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AD-P004 571/6 **15**-*534,339* PC **A02**/MF **A01**

Spread Spectrum Time Transfer Experiment via INTELSAT,
AD-P004 587/2 **15**-*534,352* PC **A03**/MF **A01**

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AD-P004 589/8 **15**-*534,354* PC **A02**/MF **A01**

Time Synchronization Experiments with Apple,
AD-P004 606/0 **15**-*534,366* PC **A02**/MF **A01**

Transmission Line Biased Coherent Array of Josephson Oscillators.
PATENT-4 468 635 **03**-*506,228* Not available NTIS

SYNCHRONOUS MOTORS

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N85-12470/9 **06**-*513,496* PC **A14**/MF **A01**

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N85-12471/7 **06**-*513,497* PC **A10**/MF **A01**

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N85-25716/0 **18**-*540,649* PC **A02**/MF **A01**

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Vibration Analysis of a Multipurpose Platform.
N85-18078/4 **12**-*528,268* PC **A03**/MF **A01**

SYNCHRONOUS SATELLITES

Charging of the DMSP F-2 Spacecraft in the Aurora on 10 January 1983,
AD-A146 303/3 **01**-*502,764* PC **A02**/MF **A01**

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AD-A157 123/1 **23**-*554,275* PC **A02**/MF **A01**

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N84-33444/0 **01**-*501,389* PC **A02**/MF **A01**

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N85-14854/2 **09**-*520,934* PC **A03**/MF **A01**

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N85-24337/6 **17**-*539,641* PC **A03**/MF **A01**

Study of a Medium Term Flexible Fixed Satellite Service Mission.
N85-29136/7 **21**-*548,789* PC **A04**/MF **A01**

SYNCHROPHASING

Improved Source Model for Aircraft Interior Noise Studies.
N85-17668/3 **11**-*523,246* PC **A03**/MF **A01**

SYNCHROTRON RADIATION

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AD-A151 205/2 **12**-*527,980* PC **A02**/MF **A01**

Mechanism of Synchrotron Radiation.
DE84702634 **03**-*507,548* PC **A02**/MF **A01**

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DE84702963 **09**-*520,241* PC **A02**/MF **A01**

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DE84751955 **09**-*518,882* PC **A02**/MF **A01**

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DE85001893 **07**-*515,204* PC **A03**/MF **A01**

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DE85003606 **09**-*518,910* PC **A02**/MF **A01**

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DE85004189 **11**-*524,795* PC **A02**/MF **A01**

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DE85008488 **17**-*537,640* PC **A09**/MF **A01**

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DE85010547 **17**-*539,375* PC **A02**/MF **A01**

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DE85010959 **18**-*541,729* PC **A02**/MF **A01**

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DE85015596 **24**-*556,138* PC **A02**/MF **A01**

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DE85016052 **25**-*559,471* PC **A02**/MF **A01**

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DE85017530 **26**-*561,922* PC **A02**/MF **A01**

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DE85700129 **09**-*520,297* PC **A02**/MF **A01**

Design Study of the Vacuum Pump of the ESRP.
N85-17167/6 **11**-*525,425* PC **A02**/MF **A01**

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PB85-108850 **02**-*502,986* PC **A05**/MF **A01**

Radiometry Using Synchrotron Radiation.
PB85-195980 **17**-*539,354* Not available NTIS

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PB85-221869 **21**-*547,795* Not available NTIS

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DE84010542 **06**-*514,107* PC **A02**/MF **A01**

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DE84016256 **01**-*502,427* PC **A02**/MF **A01**

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DE84016987 **02**-*504,480* PC **A03**/MF **A01**

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DE84017253 **02**-*504,931* PC **A09**/MF **A01**

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DE85000628 **09**-*518,894* PC **A02**/MF **A01**

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DE85001348 **04**-*510,252* PC **A03**/MF **A01**

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DE85002063 **06**-*514,119* PC **A02**/MF **A01**

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DE85002551 **07**-*515,555* PC **A05**/MF **A01**

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DE85004059 **11**-*525,394* PC **A02**/MF **A01**

Characteristics of Synchrotron Radiation.
DE85004189 **11**-*524,795* PC **A02**/MF **A01**

Study for a 6 GeV Undulator Based Synchrotron Radiation Source.
DE85012183 **22**-*551,351* PC **A02**/MF **A01**

Vacuum System for the Argonne 6 GeV Synchrotron Light Source.
DE85012286 **21**-*549,077* PC **A02**/MF **A01**

Beam Stability in a 6 GeV Synchrotron Light Source.
DE85013850 **22**-*551,467* PC **A02**/MF **A01**

20 KeV Undulators for a 6-GeV Storage Ring.
DE85013867 **22**-*551,469* PC **A02**/MF **A01**

Synchrotron Radiation Beam Line for Photons in the 700 eV - 7000 eV Energy Range.
DE85014202 **22**-*551,474* PC **A03**/MF **A01**

Operating Experience with Existing Light Sources.
DE85015190 **25**-*559,458* PC **A02**/MF **A01**

Lattice and Bypass Design for a Coherent Xuv Facility.
DE85016556 **26**-*561,740* PC **A02**/MF **A01**

CSEM-Steel Hybrid Wiggler/Undulator Magnetic Field Studies.
DE85016635 **26**-*561,749* PC **A02**/MF **A01**

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Beam Model for Non-Planar Orbits in Synchrotrons.
DE84016954 **02**-*504,923* PC **A03**/MF **A01**

Effect of Beam Energy Losses on the Particle Dynamics in Superconducting Synchrotrons.
DE84702675 **01**-*502,446* PC **A02**/MF **A01**

NODAL Interpreter for CP/M.
DE84703309 **11**-*524,244* PC **A03**/MF **A01**

Possibilities for the Study of Dense, Hot Matter with a Heavy Ion Synchrotron.
DE84751436 **03**-*507,376* PC **A03**/MF **A01**

On-Line System in the Project of the Model Superconducting Synchrotron.
DE84780446 **01**-*502,457* PC **A02**/MF **A01**

First- and Second-Order Charged Particle Optics.
DE85006310 **11**-*525,422* PC **A03**/MF **A01**

Adsorption/Desorption Properties of Vacuum Materials for the 6 GeV Synchrotron.
DE85010276 **22**-*551,339* PC **A02**/MF **A01**

Longitudinal Tune Control in Synchrotrons.
DE85010745 **18**-*541,723* PC **A02**/MF **A01**

Use of the "MURA" Transformation to Generate the Fields and Calculate the Motion of Protons in the Designed Argonne Mini-ASPUN FFAG Spiral Sector Accelerator.
DE85011477 **22**-*551,341* PC **A02**/MF **A01**

High Energy Beam Transport System for a Heavy Ion Medical Accelerator.
DE85015272 **24**-*555,032* PC **A02**/MF **A01**

Feedback to Suppress Beam Instabilities in Future Proton Rings.
DE85015274 **24**-*556,741* PC **A02**/MF **A01**

Pulsed Superconducting Dipole Magnet for Nuclotron.
DE85700725 **22**-*551,488* PC **A02**/MF **A01**

Effect of Magnetic Field Systematic Nonlinearities on the Betatron Frequency Spread in the Accelerating-Storage Complex.
DE85700728 **22**-*551,491* PC **A02**/MF **A01**

Simulation of Closed Orbit Correction in the Heavy-Ion Synchrotron.
DE85700914 **20**-*546,551* PC **A02**/MF **A01**

Interference of Edge Proton Radiation in Synchrotron Dipole Magnets.
DE85701644 **25**-*559,485* PC **A02**/MF **A01**

SYNDICATED CREDITS

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PB85-229003 **23**-*552,112* PC **E06**/MF **E06**

SYNERGISM

Establishment of an Inbred Line of Mice that Express a Synergistic Immune Detect Precluding In Vitro Responses to Type 1 and Type 2 Antigens, B Cell Mitogens, and a Number of T Cell-Derived helper Factors.
AD-A146 976/6 **02**-*503,287* PC **A02**/MF **A01**

SYNOPTIC MEASUREMENT

Empirical and Modeled Synoptic Cloud Climatology of the Arctic Ocean. **15**-*533,006* PC **A02**/MF **A01**
N85-23272/6

SYNOPTIC METEOROLOGY

Spectral Decomposition and Verification of NOGAPS 500MB Medium-Range Forecasts. **14**-*530,926* PC **A05**/MF **A01**
AD-A152 550/0

Tracado Automatico de Carta Sinotica (Automatic Drawing of Synoptic Charts). **01**-*500,229* PC **A02**/MF **A01**
N84-34094/2

Meteorologia Sinotica DA Antartica (Synoptic Meteorology in Antarctica). **01**-*500,230* PC **A03**/MF **A01**
N84-34095/9

Synoptic Study of the Influence of Extra-Tropical Latitude Systems on the Climatic Variability in Northeast Brazil. **02**-*502,935* PC **A02**/MF **A01**
N84-34324/2

Synoptical Observations of Snow Depths at Dutch Meteorological Stations, 1956 - 1977. **10**-*521,089* PC **A08**/MF **A01**
N85-16407/7

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N85-17499/3

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N85-19561/8

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N85-28529/4

State of Knowledge on Meteorologically Caused Icing of Aircraft in Clouds. **23**-*552,042* PC **A04**/MF **A01**
N85-31736/0

SYNOSTOSIS

Clinical and X-Ray Investigations on Congenital Radio-Ulnar Synostosis. **15**-*533,296* PC **A06**/MF **A01**
DE85780358

SYNROC PROCESS

Australia's Uranium and the International Nuclear Industry. **17**-*539,033* PC **A02**/MF **A01**
DE85780673

Thermal Expansion of U.S. and Australian Synroc B. **20**-*546,282* Not available NTIS
PB85-207363

SYNTAX

Description of Large Systems, **04**-*509,093* PC **A03**/MF **A01**
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A Small Contribution to Editing with a Syntax Directed Editor. **04**-*508,227* PC **A02**/MF **A01**
AD-A148 125/8

I. Lexical and Object Decisions. II. Syntactic Disambiguation of Homographs. **05**-*510,926* PC **A03**/MF **A01**
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Four Forms of Omega, **09**-*519,087* PC **A03**/MF **A01**
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Organization of Knowledge in a Multi-Lingual, Integrated Parser. **10**-*521,279* PC **A12**/MF **A01**
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Design, Implementation and Application of a Table-Driven Syntax-Directed Editor. **17**-*537,922* PC **A07**/MF **A01**
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Lexical Analysis to Enhance Man/Machine Interaction: Simplifying and Improving the Creation of Software. **25**-*557,450* Not available NTIS
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PROGEN: An Incremental Programming Environment. **04**-*509,125* PC **A03**/MF **A01**
N85-11568/1

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N85-18251/7

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N85-22003/6

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PB85-869071

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AD-A148 125/8

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A Radioisotope Assay for 1-Aminocyclopropane-1- Carboxylic Acid Synthase: S-adenosylhomocysteine Analogs as Inhibitors of the Enzyme Involved in Plant Senescence. **21**-*547,500* PC **A02**/MF **A01**
AD-A155 947/5

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Synthesis of Tetrabutyl Tin and Its Performance Characteristics in Liquid Scintillation Counting for Radioimmunoassay. **20**-*544,936* PC **A02**/MF **A01**
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Irida-, Rhoda-, Nickela-, and Cuprapentaboranes Derived from the arachno-(B4H9)(-) Ion. Crystal Structure of Iridaborane Complex One Butadiene Complex, an Analogue of arachno-B5H11 and Iridium Complex One Three Butadiene Complex Cation. **08**-*516,354* Not available NTIS
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2-Acetylpyridine Thiosemicarbazones. XI. 2-(Alpha-Hydroxyacetyl)Pyridine Thiosemicarbazones as Antimalarial and Antibacteriaol Agents. **13**-*528,809* PC **A02**/MF **A01**
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Speech Transformations Based on a Sinusoidal Representation. **22**-*550,920* PC **A02**/MF **A01**
AD-A156 610/8

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DE85010750

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DE85011919

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DE85012391

Chemical Synthesis under Shock Compression. **24**-*555,256* PC **A02**/MF **A01**
DE85015166

Tying It All Together: Synthesizing Strategies for Computer-Based Instruction, **25**-*557,577* Not available NTIS
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SYNTHESIS (CHEMISTRY)

Synthesis of Stereoisomeric - Metal Complexes Using Phase-Transfer Catalysis and Photochemical Transforms. **01**-*500,944* PC **A05**/MF **A01**
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Syntheses of Polyhedranes and Polyhedral Carboranes. **01**-*500,945* PC **A02**/MF **A01**
AD-A146 076/5

Cosensitized Electron-Transfer Photooxygenation of Epoxides. A New Synthesis of Ozonides, **01**-*500,946* Not available NTIS
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Preparation and Purification of Multigram Quantities of SEX & TAX. **01**-*500,951* PC **A03**/MF **A01**
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Synthesis of Film-Forming Electron-Accepting Polymers. **01**-*500,952* PC **A02**/MF **A01**
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Silicon Phthalocyanine and a Silicon Naphthalocyanine: Synthesis, Electrochemistry, and Electrogenerated Chemiluminescence. **01**-*500,953* PC **A03**/MF **A01**
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Synthesis of Bis-Pentafluorotelluriumoxide Fluorocarbons. **02**-*503,496* PC **A02**/MF **A01**
AD-A147 075/6

Structural and Synthetic Organosilicon Chemistry. **02**-*503,498* PC **A02**/MF **A01**
AD-A147 101/0

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(Vinyloxy)fluorocyclotriphosphazenes. **03**-*505,819* PC **A02**/MF **A01**
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New Synthesis of Phosphazene Polymers. **03**-*505,820* PC **A02**/MF **A01**
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The Ethylmethylcyclosilanes. **04**-*508,717* PC **A02**/MF **A01**
AD-A147 823/9

Synthesis, Characterization and Crystal and Molecular Structure of Tricyclopentadienylgallium(III). **04**-*508,718* PC **A02**/MF **A01**
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Isolable Compounds Containing a Silicon-Silicon Double Bond. **04**-*508,739* PC **A02**/MF **A01**
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Synthesis and Characterization of Poly(Oxy(2-Methyl-1,3-Phenylene)-Oxyisophthaloyl-b-(2-Methyl-1,3-Phenylene)Oxyterephthaloyl)Oxy, **05**-*511,177* PC **A02**/MF **A01**
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Synthesis of 14C-Labelled Methylazoxymethanol Acetate of High Specific Activity. **05**-*511,178* PC **A02**/MF **A01**
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Synthesis of High Molecular Weight Polyester-Carbonates via Interfacial Phosgenation of Aromatic Dicarboxylic Acids and Bisphenols. **05**-*511,729* Not available NTIS
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Synthesis of 3,5,5-Trinitropentacyclo(5.3.0.02,6.03,10.04,8)decane. **05**-*511,179* PC **A02**/MF **A01**
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Syntheses and Reactions of Pyrazaboles. **05**-*511,180* PC **A02**/MF **A01**
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Heptacyclo(5.5.1.1 4,10.0 2,6.0 3,11.0 5,9.0 8,12)Tetradecane-13,14-Dione: A Novel, Polycyclic Perpendobiplanar D2nd Diketone. **05**-*511,181* PC **A02**/MF **A01**
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Synthesis of New Prophylactic Antiradiation Drugs. **06**-*513,166* PC **A03**/MF **A01**
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Synthesis and Reactivity of (Bis(trimethylsilyl)Methylene)(Mesityl)Phosphine. **06**-*513,213* PC **A03**/MF **A01**
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1,1,1,5,5,5-Hexamethyltrisiloxane: Preparation and some Reactions. **12**-*526,628* PC **A02**/MF **A01**
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Silacyclopropenes. 2. 'Two-Atom' Insertion Reactions of 1,1-Dimethyl-2, 3-bis(trimethylsilyl)silirene. **12**-*526,631* PC **A02**/MF **A01**
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Synthesis of Phenols from Metal-Carbynes and Diynes. **13**-*528,931* PC **A02**/MF **A01**
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2-Acetylpyridine Thiosemicarbazones. 10. 2-Propionyl-, 2-Butyryl-, and 2-(2-Methylpropionyl)Pyridine Thiosemicarbazones as Potential Antimalarial Agents. **13**-*528,815* PC **A02**/MF **A01**
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Metal Atom Synthesis of Metallaboron Clusters. 5. Synthesis of the First (n(6)-Arene)Metallaborane and (n(6)Arene)Metallaoxaborane Clusters. Structural Characterizations of 5-(n(6)-C(6)(CH3)3H3)FeB9H13 and 2-(n(6)-C6(CH3)3H3)Fe-6-OB8H10. **15**-*533,470* Not available NTIS
AD-A153 256/3

Conversion of Smaller Borane Fragments to Larger Structures. Systematics of Boron Hydride Reactions. **16**-*535,807* PC **A03**/MF **A01**
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A Facile Synthesis of Unsymmetrical Heterocyclic Azines by Cyclodesulfurization. Reaction of Methyl Arylalkylidenehydrazinecarbodithioates with Diamines. **16**-*535,798* PC **A02**/MF **A01**
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Convenient Procedure for the Synthesis of (E)-1-Bromo-1-alkenes and (Z)-1-Iodo-1-alkenes. **16**-*535,800* Not available NTIS
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Spray Pyrolysis as a Synthetic Tool. **16**-*535,835* PC **A05**/MF **A01**
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New Approaches to Functionalized Fluorocarbons. **17**-*537,616* PC **A03**/MF **A01**
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A Useful Zinc Reagent for the Preparation of 2-Oxo-1,1-Difluoroalkylphosphonates. **18**-*540,276* PC **A02**/MF **A01**
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Preparation of Halo-F-Methanes via Potassium Fluoride-Halogen Cleavage of Halo-F-Methylphosphonium Salts. **18**-*540,281* PC **A02**/MF **A01**
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Tributylarsonium-2,2,3,3,4,4-Hexafluorocyclobutane Ylide. Preparation and Cleavage. **18**-*540,282* PC **A02**/MF **A01**
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A Practical Synthesis of Fluoromethyltriphenylphosphonium Salts. **18**-*540,283* PC **A02**/MF **A01**
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Wittig Olefination via Reaction of Fluorine-Containing Phosphoranium Salts and F-Acyl Fluorides. A New Approach to Fluoroolefin Synthesis. **18**-*540,284* PC **A02**/MF **A01**
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Preparation and Synthetic Utility of Fluorinated Phosphonium Salts, Bis-Phosphonium Salts and Phosphoranium Salts. **18**-*540,287* PC **A02**/MF **A01**
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Ylide-Carbene Chemistry. Synthesis of 1,1-Difluoro-1-alkenes. **18**-*540,288* PC **A02**/MF **A01**
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AD-A156 046/5 **21**-*547,735* PC **A02**/MF **A01**

Reprint:'Destructible' Surfactants Based on a Ketal Group.
AD-A156 205/7 **21**-*547,737* PC **A02**/MF **A01**

Novel Coordination of a Neutral Borane Adduct to Nickel (0). Formation of Ni(CO)2(B2H42P(CH3)3).
AD-A157 062/1 **23**-*552,450* PC **A02**/MF **A01**

Rapid Synthesis of Indium Phosphide.
AD-A157 266/8 **23**-*552,443* PC **A02**/MF **A01**

Studies on the Syntheses of Boron Hydride Systems.
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Desorption Ionization Mass Spectrometry of Synthetic Porphyrins.
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The Synthesis of the First Spiropentasilane, Octamethylspiropentasilane.
AD-A158 302/0 **25**-*557,879* PC **A02**/MF **A01**

Metal Atom Synthesis of Matallaboron Clusters. 6. Synthesis and Structural Characterization of a Coupled Diborane-Metallacarborane Cluster: 5:1',2'-(n-C5H5) Co2,3-(Me3Si)2C2B4H3) (B2H5).
AD-A158 332/7 **25**-*557,880* PC **A02**/MF **A01**

Heptacyclo(5.5.1.14,10.02,6.03,11.05,9.08,12)tetradecane-13,14-bis(spiro-1 prime-cyclopentane): A New C22H28 Nonacyclic Cage Hydrocarbon. Improved Synthesis of Bicyclo(2.2.1)hepta-2,5-diene-7-spiro-1 prime-cyclo-pentane.
AD-A158 339/2 **25**-*557,881* PC **A02**/MF **A01**

The Synthesis and X-Ray Crystal Structure of the Hexanuclear Metal Cluster Complex (Ir3Pt3(mu-CO)3(CO)3(eta-C5Me5)3).
AD-A158 340/0 **25**-*557,882* PC **A02**/MF **A01**

Linear Polysiloxanes from Dichlorosilane.
AD-A158 350/9 **25**-*557,884* PC **A02**/MF **A01**

Synthesis and Structure Determination of 3,3,4,4-Tetrafluoro-N-methyl-2-(cis,s-trans-methyl-NNO-azoxy)-s-cis-1-cyclobutene-1-amine.
AD-A158 427/5 **25**-*557,885* PC **A02**/MF **A01**

Syntheses of Novel Nitrogen and Phosphorus Heterocycles.
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Bis-Pentafluorotelluriumoxide Fluorocarbons.
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Formation of a Disiloxirane in the Oxidation of 1,2-Dimesityl-1,2-di-t-Butyldisilaethylene.
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Condensation Polymers with Controlled Structure.
AD-A158 675/9 **25**-*558,474* PC **A02**/MF **A01**

Neonucleoproteins: Preparation and High-Performance Liquid Chromatographic Characterization of Succinyl-Lysozyme-Diaminooctyl-Polycytidylic Acid and Related Polycytidylic Acid Conjugates.
AD-A158 691/6 **25**-*557,601* PC **A02**/MF **A01**

Syntheses of Heptafluoro nitrosocyclo-butane and Nonafluoro nitrosocyclo-penepane.
AD-A158 717/9 **25**-*557,891* PC **A02**/MF **A01**

The Reaction of Magnesium with cis-1,3,5-Tris(Bromomethyl)Cyclohexane. Evidence for a Soluble Tri-Grignard.
AD-A158 790/6 **25**-*557,892* PC **A02**/MF **A01**

Perfluorocycloalkyl (Aryl) Diazenes from Heptafluoronitrosocyclobutane and Nonafluoronitrosocyclopentane.
AD-A158 794/8 **25**-*557,893* PC **A02**/MF **A01**

Trifluoramine Oxide with Nitric Oxide: A Facile In Situ Source of Nitrosyl Fluoride.
AD-A158 795/5 **25**-*557,876* PC **A02**/MF **A01**

Preparation of Polymeric Deuterium Containing Compounds.
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DE85900979 **20**-*544,934* PC **A08**/MF **A01**

Synthesis of 2,2'-p-Phenylene-Bis-5-p-Alkylphenyl Oxazoles.
DE85900983 **20**-*544,935* PC **A02**/MF **A01**

Powder Containing 2H-Type Silicon Carbide Produced by Reacting Silicon Dioxide and Carbon Powder in Nitrogen Atmosphere in the Presence of Aluminum.
N85-10167/3 **03**-*506,382* PC **A02**/MF **A01**

Recent Progress in BGO Development for High Resolution Calorimetry.
N85-10848/8 **03**-*507,276* PC **A02**/MF **A01**

Ideal Gas Thermodynamic Properties for the Phenyl, Phenoxy, and O-Biphenyl Radicals.
N85-22204/0 **14**-*531,513* PC **A02**/MF **A01**

Production of Copper Phthalocyanine and/or Its Derivatives.
N85-27983/4 **20**-*544,937* PC **A02**/MF **A01**

Preparation of Silicon Carbide-Silicon Nitride Fibers by the Pyrolysis of Polycarbosilazane Precursors.
N85-28107/9 **20**-*545,460* PC **A02**/MF **A01**

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N85-31239/5 **23**-*553,140* PC **A05**/MF **A01**

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N85-31296/5 **23**-*553,126* PC **A03**/MF **A01**

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PAT-APPL-6-567 992 **01**-*500,954* PC **A02**/MF **A01**

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PAT-APPL-6-585 111 **10**-*521,666* PC **A03**/MF **A01**

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PAT-APPL-6-664 953 **10**-*521,667* PC **A03**/MF **A01**

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PATENT-4 482 728 **05**-*511,080* Not available NTIS

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PB85-159119 **10**-*521,661* PC **E03**/MF **E01**

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DE85008966 **17**-*538,830* PC **A02**/MF **A01**

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Optimal Design of Amorphous Single-Junction and Tandem Solar Cells.
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TANDOM MIRRORS

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Implementation of the Tanh Transformations in the Evaluation of Singular Integrals.
N85-22054/9 **14**-*531,942* PC **A03**/MF **A01**

TANK AMMUNITION

Safety Testing of Tank Ammunition.
AD-A158 140/4 **24**-*556,552* PC **A03**/MF **A01**

TANK CAR HEADS

Small Scale Impact Simulation Tests.
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TANK CARS

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AD-A150 249/1 **10**-*522,365* PC **A05**/MF **A01**

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PB85-227916 **23**-*553,611* PC **A02**/MF **A01**

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Cognitive Predictors of Tank Commander Performance.
AD-A146 843/8 **02**-*503,077* PC **A06**/MF **A01**

TANK CREWS

Cognitive Predictors of Tank Commander Performance.
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Criterion Performance Measures for M1 Tank Driver Tests.
AD-A156 793/2 **22**-*549,615* PC **A05**/MF **A01**

M1 Tank Degraded Mode Gunnery.
AD-A156 802/1 **22**-*549,622* PC **A09**/MF **A01**

TANK TRACK PADS

Electrical Properties of Tank Pad Rubber: A Feasibility Study.
AD-A152 366/1 **14**-*531,910* PC **A03**/MF **A01**

TANK TRACK PINS

Improvement in the Fatigue Behavior of Tank Track Pins.
AD-A157 616/4 **23**-*554,118* PC **A05**/MF **A01**

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AD-A155 233/0 **19**-*542,632* PC **A05**/MF **A01**

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DE85003963 **09**-*519,818* PC **A02**/MF **A01**

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DE85004554 **10**-*522,868* PC **A02**/MF **A01**

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DE85015231 **24**-*556,355* PC **A04**/MF **A01**

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AD-A145 765/4 **01**-*502,326* PC **A04**/MF **A01**

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AD-A148 165/4 **04**-*510,151* PC **A02**/MF **A01**

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AD-A150 729/2 **11**-*525,312* PC **A07**/MF **A01**

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AD-A151 979/2 **13**-*530,288* PC **A02**/MF **A01**

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AD-A155 755/2 **21**-*548,998* PC **A05**/MF **A01**

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AD-A156 801/3 **22**-*551,231* PC **A13**/MF **A01**

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AD-A156 804/7 **22**-*549,624* PC **A05**/MF **A01**

Assuring Structural Integrity in Army Systems.
N85-20398/2 **14**-*532,294* PC **A04**/MF **A01**

Improvements in Tank Tread Assemblies.
PAT-APPL-6-692 802 **22**-*550,729* PC **A02**/MF **A01**

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Les Elastomeres Utilises dans l'Industrie Aeronautique (Elastomers Used in Aeronautics Industry).
N85-31304/7 **23**-*553,201* PC **A03**/MF **A01**

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PAT-APPL-6-630 148 **25**-*558,693* PC **A02**/MF **A01**

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Center Push-Pull Ventilation for Open Surface Tanks,
PB85-221273 **21**-*547,634* PC **A03**/MF **A01**

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PB85-223238 **22**-*550,481* PC **A03**/MF **A01**

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Recovery of Tantalite and Cassiterite from a Bulk Sample of Pegmatite Supplied by Falconbridge Explorations Limited.
PB85-119576 **04**-*509,011* PC **E03**/MF **E01**

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Analysis of Sodium Metal by X-Ray Fluorescence Spectrometry.(I). Determination of Hf, Mo, Nb, Ta, Ti, V and Zr.
DE81700472 **20**-*544,948* PC **A03**/MF **A01**

Improved Atomic Data for Electron-Transport Predictions by the Codes TIGER and TIGERP. I. Inner-Shell Ionization by Electron Collision.
DE84014308 **13**-*528,957* PC **A03**/MF **A01**

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DE84017256 **03**-*506,423* PC **A04**/MF **A01**

Sublimation and Thermochromatography of Actinide and Lanthanide Lower Oxides.
DE84702456 **01**-*501,057* PC **A02**/MF **A01**

Multiplicity Distributions of the pi exp 0 -Mesons in DTa and CTa Interactions at 4,2 GeV/C Per Nucleon.
DE84703364 **09**-*520,377* PC **A02**/MF **A01**

H Exp - Ion Production from Different Converter Materials.
DE85003457 **09**-*520,274* PC **A02**/MF **A01**

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DE85005483 **11**-*525,339* PC **A02**/MF **A01**

Vuv Synchrotron Light as a Technique for Studying the Interface Quality and Properties of Thin Overlayers.
DE85009822 **18**-*541,319* PC **A02**/MF **A01**

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DE85012887 **22**-*550,437* PC **A03**/MF **A01**

Metal-Metal Superlattices.
DE85014441 **24**-*555,753* MF **A01**

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DE85014442 **24**-*555,754* PC **A02**/MF **A01**

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DE85014443 **22**-*551,780* PC **A02**/MF **A01**

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DE85014444 **24**-*555,755* PC **A02**/MF **A01**

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DE85015705 **25**-*558,436* PC **A02**/MF **A01**

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PB85-154011 **10**-*522,902* PC **E04**/MF **E01**

Development of Engineering and Cost Data for Foreign Columbium, Tantalum, Mercury, and Molybdenum Properties.
PB85-215325 **21**-*547,867* PC **A02**/MF **A01**

Electrical Resistivity of Selected Elements,
PB85-219855 **20**-*547,003* Not available NTIS

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PB85-860336 **14**-*531,834* PC **N01**/MF **N01**

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PB85-861680 **16**-*536,124* PC **N01**/MF **N01**

TANTALUM 180

Some Effects of High Temperature and Density on Neutron-Capture Nucleosynthesis.
DE85007827 **13**-*530,453* PC **A02**/MF **A01**

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

TANTALUM 181

Lifetime Determination of Isomeric States in sup 172 Yb and sup 181 Ta Using the Monocrystal Scintillation Time Spectrometer.
DE85781179 **24**-*556,883* PC **A02**/MF **A01**

TANTALUM 181 TARGET

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DE84017049 02-*504,985* PC **A02**/MF **A01**

Pi Meson Production in Collisions of Relativistic Nuclei in a Multiple Scattering Model.
DE84702297 03-*507,501* PC **A02**/MF **A01**

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DE84702866 09-*520,325* PC **A05**/MF **A01**

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DE84702871 08-*517,923* PC **A02**/MF **A01**

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DE84702884 09-*520,327* PC **A02**/MF **A01**

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DE84751802 02-*505,018* PC **A06**/MF **A01**

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DE84780428 01-*502,526* PC **A04**/MF **A01**

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DE84780566 09-*520,455* PC **A05**/MF **A01**

Timescale for Projectile Breakup into Coincident Heavy Fragments.
DE85007816 13-*530,446* PC **A02**/MF **A01**

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DE85752135 26-*561,880* PC **A06**/MF **A01**

TANTALUM 182

Wear Measurements of Cutting Tools Made of Hard Metal.
DE84703145 05-*511,982* PC **A03**/MF **A01**

TANTALUM ALLOY-T111

Swelling and Tensile Properties of EBR-II-Irradiated Tantalum Alloys for Space Reactor Applications.
DE85012887 22-*550,437* PC **A03**/MF **A01**

Compatibility of Refractory Metals with Sodium in the Presence of Oxygen and UO sub 2.
DE85016030 24-*555,778* PC **A12**/MF **A01**

TANTALUM ALLOYS

Stability of Amorphous Metals on Semiconductor Substrates. Final Report.
DE84017256 03-*506,423* PC **A04**/MF **A01**

Failure Experience in Refractory Alloy-Clad Fuel Pins Applicable to Space Nuclear Power.
DE85007472 13-*530,260* PC **A02**/MF **A01**

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Comparaison de la Resistance a la Fatigue (Initiation, Propagation) du TA6V de Fonderie avec le TA6V Corroye (Comparison between Fatigue Strength (Initiation, Propagation) of the Foundry TA6V and the Welded TA6V).
PB85-137297 06-*513,608* PC **E04**/MF **E04**

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DE85016030 24-*555,778* PC **A12**/MF **A01**

TANTALUM CARBIDES

Occurrence and Behavior of Dislocations During Plastic Deformation of Selected Transition Metal and Silicon Carbides.
DE85016358 26-*560,887* PC **A02**/MF **A01**

TANTALUM COMPOUNDS

Enthalpies of Formation in the Systems Tantalum-Sulfur and Tantalum-Aluminum.
DE85011349 19-*542,795* PC **A08**/MF **A01**

TANTALUM INORGANIC COMPOUNDS

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PB85-860336 14-*531,834* PC **N01**/MF **N01**

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Measurement of Photonuclear Cross Sections from 30 to 140 MeV for Intermediate and Heavy Mass Nuclei (Sn, Ce, Ta, Pb and U).
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TANTALUM SELENIDES

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DE85010507 18-*541,656* PC **A02**/MF **A01**

TANTALUM SILICIDES

Electronic Transport Processes in Refractory Metal Silicides.
AD-A146 495/7 01-*502,622* PC **A02**/MF **A01**

Electronic Transport Properties of Tantalum Disilicide Thin Films.
AD-A157 938/2 24-*557,009* PC **A02**/MF **A01**

TANTALUM SULFIDES

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TANZANIA

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TAPE RECORDERS

High Resolution System for Analogue Recording and Digital Processing of Measured Values in Fusion Research.
N84-33786/4 01-*502,009* PC **A03**/MF **A01**

TAPE RECORDING

Specification for the Performance, Design, Development and Test Requirements of a Magnetic Tape Cartridge Replay Machine.
AD-A156 895/5 22-*550,866* PC **A02**/MF **A01**

TAPE RECORDING REPLAY MACHINES

Specification for the Performance, Design, Development and Test Requirements of a Magnetic Tape Cartridge Replay Machine.
AD-A156 895/5 22-*550,866* PC **A02**/MF **A01**

TAPES

Deflocculants for Tape Casting Barium Titanate.
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N85-19137/7 13-*529,463* PC **A03**/MF **A01**

TAPUTIMU FARM/INSULAR TERRATORIES SITE

Superfund Record of Decision (EPA Region 9): Taputimu Farm/Insular Territories Site, American Samoa, Decemember 1983.
PB85-214146 17-*538,568* PC **A02**/MF **A01**

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PB85-214021 18-*541,201* PC **A06**/MF **A01**

TARA DEVICES

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TARA Diagnostic Set.
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PB85-109171 02-*502,841* PC **A06**/MF **A01**

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PB85-127876 **05**-*511,576* PC **E04**/MF **E01**

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AD-A152 238/2 **13**-*528,678* PC **A10**/MF **A01**

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PAT-APPL-6-582 238 **05**-*511,575* PC **A02**/MF **A01**

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N85-21246/2 **14**-*530,935* PC **A02**/MF **A01**

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AD-A156 856/7 **22**-*550,762* PC **A08**/MF **A01**

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TELEPHONE EQUIPMENT

Telephone Dialers with Taped Voice Messages.
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PAT-APPL-6-473 384 **08**-*517,374* PC **A02**/MF **A01**

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N85-11264/7 **04**-*509,161* PC **A04**/MF **A01**

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N85-12279/4 **06**-*513,977* PC **A02**/MF **A01**

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N85-31353/4 **23**-*553,769* PC **A10**/MF **A01**

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GSI-LBL Plastic Ball/Wall Spectrometer.
DE85001651 **07**-*515,351* PC **A03**/MF **A01**

Sensitivity of Experiment on Search for Neutrinoless Double beta-Decay by Using Semiconductor Detectors.
DE85761329 **25**-*559,024* PC **A02**/MF **A01**

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AD-A151 772/1 **13**-*529,963* PC **A04**/MF **A01**

Helmet Mounted Telescope.
PATENT-4 465 347 **03**-*507,352* Not available NTIS

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AD-A158 271/7 **24**-*554,646* PC **A04**/MF **A01**

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DE85011982 **19**-*542,199* PC **A08**/MF **A01**

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N85-27284/7 **19**-*542,200* PC **A02**/MF **A01**

Direct View Helmet Mounted Telescope.
PAT-APPL-6-634 247 **01**-*502,118* PC **A02**/MF **A01**

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PAT-APPL-6-698 641 **13**-*530,350* PC **A02**/MF **A01**

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PB85-856334 **09**-*518,441* PC **N01**/MF **N01**

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PB85-865285 **19**-*543,780* PC **N01**/MF **N01**

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DE85009332 **16**-*536,064* PC **A07**/MF **A01**

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DE85750590 **14**-*531,745* PC **A02**/MF **A01**

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PB85-245868 **26**-*561,344* PC **A09**/MF **A01**

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PATENT-4 495 520 **15**-*534,495* Not available NTIS

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'TV's Sort of...Just There': Critical Television Viewing Skills.
ED-249 945 **11**-*523,572* Not available NTIS

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High-Quality 40-Inch CRT Color Display with High Resolution and Definition.
PB85-200665
18-*541,410*
(Order as PB85-200657, PC **E05**/MF **E01**)

TELEVISION RECEIVERS

Correlating and Adaptive Digital Filters.
N85-25744/2 **18**-*540,661* PC **A08**/MF **A01**

Improved High Performance Television Receiver.
PB85-170751 **12**-*527,656* PC **A07**/MF **A01**

High-Quality 40-Inch CRT Color Display with High Resolution and Definition.
PB85-200665
18-*541,410*
(Order as PB85-200657, PC **E05**/MF **E01**)

GaAs FET Low-Noise Amp Module for DBS Receivers.
PB85-200673
18-*541,411*
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PB85-861797 **16**-*536,528* PC **N01**/MF **N01**

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Retinally Stabilized Differential Resolution Television Display.
PATENT-4 51[illegible] **22**-*550,951* Not available NTIS

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ED-246 847 **06**-*512,913* Not available NTIS

Television Viewing as a Dominant Activity of Childhood: A Suggestion for a Developmental Effects Theory.
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ED-249 953 **11**-*523,580* Not available NTIS

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PB85-912400 **11**-*524,886* Standing Order

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PB85-912500 **11**-*524,887* Standing Order

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PB85-912600 **11**-*524,888* Standing Order

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PB85-919600 **11**-*524,895* Standing Order

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PB85-945500 **11**-*524,898* Standing Order

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PB85-945600 **11**-*524,899* Standing Order

TELEVISION SYSTEMS

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Report on Military Student Attitudes Towards Instructional Television.
AD-A156 191/9 **21**-*547,434* PC **A07**/MF **A01**

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N85-31986/1 **23**-*552,343* PC **A02**/MF **A01**

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PB85-861797 **16**-*536,528* PC **N01**/MF **N01**

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ED-246 847 **06**-*512,913* Not available NTIS

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Some Uses and Gratifications of Arcade Video Game Playing.
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ED-249 949 **11**-*523,576* Not available NTIS

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ED-253 222 **16**-*535,605* Not available NTIS

Children's Learning from Broadcast Television: The Relationship between the Amount of Time a Child Watches Television with and without Adults and That Child's Learning from Television.
ED-256 340 **25**-*557,509* Not available NTIS

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How to Write Educational Programs for Telidon. A Self Instructional Manual.
ED-244 601 **04**-*508,282* Not available NTIS

Extending Opportunity: Telidon Technology in Vocational Education.
ED-252 194 **16**-*535,551* Not available NTIS

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AD-A146 658/0 **01**-*501,041* Not available NTIS

TELLURIUM

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AD-A158 576/9 **25**-*558,411* PC **A02**/MF **A01**

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DE84016922 **02**-*504,807* PC **A05**/MF **A01**

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DE84701997 **02**-*503,572* PC **A02**/MF **A01**

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DE84702901 **09**-*518,871* PC **A02**/MF **A01**

Determination of Selenium and Tellurium in Stainless Steel, White Cast Iron, and Nickel Base Alloy Standard Reference Materials by Isotope Dilution Spark Source Mass Spectrometry.
PB85-107324 **01**-*501,556* Not available NTIS

TELLURIUM 108

Beta-Delayed Particle Emission from Neutron-Deficient Tellurium, Iodine, Xenon, Cesium and Barium Isotopes.
DE85750790 **15**-*534,960* PC **A03**/MF **A01**

TELLURIUM 109

Beta-Delayed Particle Emission from Neutron-Deficient Tellurium, Iodine, Xenon, Cesium and Barium Isotopes.
DE85750790 **15**-*534,960* PC **A03**/MF **A01**

TELLURIUM 110

Beta-Delayed Particle Emission from Neutron-Deficient Tellurium, Iodine, Xenon, Cesium and Barium Isotopes.
DE85750790 **15**-*534,960* PC **A03**/MF **A01**

TELLURIUM 112

Beta-Delayed Particle Emission from Neutron-Deficient Tellurium, Iodine, Xenon, Cesium and Barium Isotopes.
DE85750790 **15**-*534,960* PC **A03**/MF **A01**

TELLURIUM 123

Light Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014217 **24**-*556,818* PC **A02**/MF **A01**

TELLURIUM 124

Fragmentation of the Gamow-Teller Resonance in Spherical Nuclei.
DE85700583 **20**-*546,693* PC **A02**/MF **A01**

TELLURIUM 128

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

Recent Progress in Laboratory beta beta -Decay Experiments and Their Interpretation.
DE85016618 **26**-*561,795* PC **A02**/MF **A01**

TELLURIUM 130

Neutrino Mass, Double beta Decay and Neutrino Oscillations.
DE85006798 **13**-*530,405* PC **A02**/MF **A01**

Heavy Mass Elements Total Half-Lives for Selected Long-Lived Nuclides.
DE85014218 **24**-*556,819* PC **A02**/MF **A01**

Recent Progress in Laboratory beta beta -Decay Experiments and Their Interpretation.
DE85016618 **26**-*561,795* PC **A02**/MF **A01**

TELLURIUM 130 TARGET

Sup 130 Te (p,p') Reaction on Analog Resonances.
DE85700563 **18**-*541,781* PC **A03**/MF **A01**

TELLURIUM 131

Sup 130 Te (p,p') Reaction on Analog Resonances.
DE85700563 **18**-*541,781* PC **A03**/MF **A01**

TELLURIUM 134

Large-Scale Shell Model Calculations for Odd-Odd Nuclei and Comparison to Experimental Studies of Fission Product Nuclei in the sup 132 Sn Region.
DE85006449 **11**-*525,493* PC **A02**/MF **A01**

G-Factor Measurements on Excited States in the N= 82 isotones.
DE85006645 **13**-*530,399* PC **A02**/MF **A01**

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DE85780326 **15**-*534,979* PC **A24**/MF **A01**

TELLURIUM 135

Nuclear Spin Depolarization and Nuclear G-Factors of Isomeric States in the Neutron-Rich Fission Fragments sup 134 Te, sup 135 Te, and sup 136 Xe.
DE85780326 **15**-*534,979* PC **A24**/MF **A01**

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Synthesis of Bis-Pentafluorotelluriumoxide Fluorocarbons.
AD-A147 075/6 **02**-*503,496* PC **A02**/MF **A01**

An Improved Synthesis of TeF(5)OF.
AD-A148 412/0 **05**-*511,176* PC **A02**/MF **A01**

Bis-Pentafluorotelluriumoxide Fluorocarbons.
AD-A158 510/8 **25**-*557,888* PC **A02**/MF **A01**

TELLURIUM OXIDE/PENTAFLUORO

Pentafluorotelluriumoxide Fluorocarbons.
PATENT-4 508 662 **23**-*552,465* Not available NTIS

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Automated TEM (Transverse Electromagnetic) Cell Calibration System.
PB85-134377 **05**-*512,090* PC **A06**/MF **A01**

Small Obstacle Loading in a TEM (Transverse Electromagnetic) Cell.
PB85-141893 **05**-*512,105* Not available NTIS

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PB85-159952 **08**-*517,323* PC **A04**/MF **A01**

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Anomalous Properties of 2-D Electrons in a Magnetic Field.
AD-A152 554/2 **14**-*531,462* PC **A02**/MF **A01**

One Dimensional Model Hindcasts of Warm Anomalies in the North Pacific Ocean.
AD-A154 128/3 **17**-*537,847* PC **A05**/MF **A01**

Three-Dimensional Flow in the Upper Ocean.
AD-A157 831/9 **24**-*555,359* PC **A02**/MF **A01**

Circulatory and Thermoregulatory Actions of Hydration during Exercise-Heat Stress.
AD-A158 440/8 **25**-*557,839* PC **A02**/MF **A01**

Digital Temperature and Velocity Control of Mach 0.3 Atmospheric Pressure Durability Testing Burner Rigs in Long Time, Unattended Cyclic Testing.
N85-21321/3 **14**-*531,995* PC **A03**/MF **A01**

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PB85-152080
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(Order as PB85-151819, PC **A12**/MF **A01**)

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Instream Water Temperature Model. Parts 1-4.
PB85-196392 **17**-*537,810* PC **A15**/MF **A01**

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Development of a Temperature-Compensated Hot-Film Anemometer System for Boundary-Layer Transition Detection on High-Performance Aircraft.
N85-33121/3 **26**-*560,001* PC **A02**/MF **A01**

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Effects of Heat Acclimation on Atropine-Impaired Thermoregulation.
AD-A149 263/6 **08**-*516,309* PC **A02**/MF **A01**

Ten Channel Temperature Controller.
AD-A152 664/9 **14**-*532,254* PC **A03**/MF **A01**

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AD-A155 718/0 **19**-*542,735* PC **A04**/MF **A01**

Influences of Age and Gender on Human Thermoregulatory Responses to Cold Exposures.
AD-A158 710/4 **25**-*557,779* PC **A02**/MF **A01**

Microprocessor Controlled Temperature Chassis. Final Report.
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Heat Rejection System Technology Demonstration Model.
N84-33459/8 **01**-*502,770* PC **A09**/MF **A01**

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N85-16468/9 **10**-*521,585* PC **A06**/MF **A01**

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N85-31283/3 **23**-*553,133* PC **A02**/MF **A01**

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PAT-APPL-6-696 274 **15**-*534,378* PC **A02**/MF **A01**

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PATENT-4 463 606 **15**-*534,261* Not available NTIS

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N85-24516/5 **17**-*538,155* PC **A04**/MF **A01**

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PATE - A Computer Code for the Calculation of Temperature Distribution in Cylindrical Fuel Rods.
DE84703435 **10**-*522,842* PC **A04**/MF **A01**

Simplified Calculation of the Axial Distribution Temperature in a Medium Channel of PWR.
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DE84703449 **10**-*522,757* PC **A05**/MF **A01**

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Dilution Jet Configurations in a Reverse Flow Combustor.
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Development of a Temperature Measurement System with Application to a Jet in a Cross Flow Experiment.
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N85-10322/4 **03**-*506,805* PC **A02**/MF **A01**

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N85-12094/7 **06**-*513,544* PC **A03**/MF **A01**

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N85-13201/7 **07**-*515,179* PC **A08**/MF **A01**

Investigation of Welded Interconnection of Large Area Wraparound Contacted Silicon Solar Cells.
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N85-20117/6 **14**-*531,872* PC **A04**/MF **A01**

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N85-26677/3 **19**-*543,683* PC **A03**/MF **A01**

Effects of Thermal Fluctuations on Systems with Small Surface Tension.
N85-29520/2 **21**-*547,770* PC **A02**/MF **A01**

Burner Rig Corrosion of SiC at 1000 Deg C.
N85-30011/9 **22**-*550,366* PC **A03**/MF **A01**

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AD-A146 586/3 **01**-*500,181* PC **A02**/MF **A01**

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N85-15725/3 **10**-*523,189* PC **A03**/MF **A01**

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PB85-221240 **21**-*547,293* PC **A03**/MF **A01**

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AD-A147 150/7 **02**-*505,120* PC **A02**/MF **A01**

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N84-33789/8 **01**-*501,977* PC **A04**/MF **A01**

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N85-13217/3 **07**-*515,226* PC **A03**/MF **A01**

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N85-18995/9 **13**-*528,990* PC **A02**/MF **A01**

Fluid Temperature and Concentration Gradient Measurement Study.
N85-20309/9 **14**-*532,262* PC **A11**/MF **A01**

Temperature of a Glass-Encapsulated Solar Cell Estimated from Ambient Air Temperature and Global Radiation.
N85-20563/1 **14**-*531,800* PC **A02**/MF **A01**

Dilution Jet Configurations in a Reverse Flow Combustor.
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N85-24268/3 **17**-*538,713* PC **A02**/MF **A01**

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N85-31260/1 **23**-*552,521* PC **A03**/MF **A01**

Kurzzeitspektroskopische Temperaturmessungen Materialien (Short-Time Spectroscopic Measurement of the Temperature of Solids).
N85-31486/2 **23**-*554,137* PC **A02**/MF **A01**

Temperature Sensitive Oscillator.
PAT-APPL-6-727 035 **24**-*555,591* PC **A02**/MF **A01**

Echometry Device and Method.
PATENT-4 481 517 **05**-*512,072* Not available NTIS

Method of and Apparatus for Measuring Temperature and Pressure.
PATENT-4 493 553 **15**-*534,385* Not available NTIS

Method of Measuring Sea Surface Water Temperature with a Satellite Including Wideband Passive Synthetic-Aperture Multichannel Receiver.
PATENT-4 499 470 **15**-*533,747* Not available NTIS

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PATENT-4 513 750 **24**-*554,945* Not available NTIS

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PB85-118339 **03**-*507,770* Not available NTIS

Experimental, Analytical and Numerical Study of Temperatures Near Hemispherical Implosion Foci.
PB85-119691 **03**-*507,771* PC **E12**/MF **E01**

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PB85-119816 **05**-*511,700* PC **E04**/MF **E04**

Spherical Acoustic Resonators: Promising Tools for Thermometry and Measurement of the Gas Constant.
PB85-130607
08-*516,451*
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Mise en Oeuvre d'une Transition a Deux Photons pour Mesurer la Temperature d'Ions Hg (+ 1) Refroidis par Collision (Implementation of a Two-Photon Transition to Measure the Temperature of Hg (+ 1) Ions Cooled by Collision).
PB85-144731 **08**-*516,456* PC **E03**/MF **E03**

National Bureau of Standards (NBS) Temperature Scale in the Range 15 to 200 mK.
PB85-147890 **06**-*513,951* Not available NTIS

Determination of the Superconductive Transition Temperatures of Cd, Zn, and Al Using a Josephson Junction Noise Thermometer.
PB85-147916 **06**-*514,259* Not available NTIS

Superconductive Temperature Reference Points above 0.5 K.
PB85-147932 **06**-*514,264* Not available NTIS

Kalibrering pa Primaerniva (Calibration Measurement of Temperature at the Highest Level).
PB85-157196 **10**-*522,510* PC **E04**/MF **E01**

Spectroscopic Temperature Measurements in Interior Ballistic Environments.
PB85-185643 **15**-*534,720* PC **E03**/MF **E03**

Pressure and Temperature Measurements in the Annulus Between the Piston and Cylinder of a Simple Dead-Weight Piston Gauge.
PB85-201838 **18**-*541,351* Not available NTIS

Effect of Atmospheric Attenuation on Temperature Measurements Made Using Infrared Scanning Systems.
PB85-205623 **19**-*544,041* Not available NTIS

Temperature and Thermometry.
PB85-207215 **21**-*548,710* Not available NTIS

Temperature Measurements in Permafrost.
PB85-210417 **19**-*542,973* PC **A05**/MF **A01**

Gas Thermometry Using Fourier Rotational Coherent Anti-Stokes Raman Scattering.
PB85-237493 **25**-*559,830* PC **E03**/MF **E03**

TEMPERATURE MEASURING INSTRUMENTS

Some Calculational Results Using Multi-Color Radiation Inversion.
AD-A155 401/3 **19**-*544,308* PC **A02**/MF **A01**

In-situ Sampling Thermal Probe.
AD-P004 817/3 **22**-*550,161* PC **A02**/MF **A01**

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N85-13594/5 **07**-*515,232* PC **A03**/MF **A01**

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N85-20309/9 **14**-*532,262* PC **A11**/MF **A01**

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NUREG/CR-3597 **01**-*501,969* PC **A04**/MF **A01**

Fast Granular Superconducting Bolometer.
PATENT-4 464 065 **03**-*506,812* Not available NTIS

Fabrication, Testing, and Evaluation of Prototype Fluidic Capillary Pyrometer Systems.
PB85-118370 **03**-*506,839* Not available NTIS

Evaluation of Some High-Temperature Platinum Resistance Thermometers.
PB85-161289
08-*517,326*
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PB85-179216 **15**-*533,365* PC **A02**/MF **A01**

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PB85-184711 **15**-*534,409* Not available NTIS

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PB85-187441 **15**-*534,165* Not available NTIS

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PB85-207215 **21**-*548,710* Not available NTIS

Subharmonic Frequency Locking in the Resistive Josephson Thermometer.
PB85-227668 **22**-*550,858* Not available NTIS

Temperature Fixed Points I, Possible Devices in the Range 0 to 125C.
PB85-230902 **23**-*553,697* PC **E04**/MF **E04**

TEMPERATURE MONITORING

Application of Liquid Crystals in Thermal Nondestructive Evaluation.
DE85781159 **24**-*556,143* PC **A02**/MF **A01**

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Evaluation and Comparison of Vertical Profile Data from the VISSR Atmospheric Sounder (VAS).
N85-16351/7 **10**-*521,088* PC **A03**/MF **A01**

Stress-Strain Analysis of Silicon Ribbon.
N85-19525/3 **13**-*529,400* PC **A02**/MF **A01**

Analysis of Selective Chopper Radiometer Data.
N85-21894/9 **14**-*530,946* PC **A04**/MF **A01**

Effect of Air Holes on Combustor Liner Wall Temperature Profile: Experiments.
N85-25443/1 **18**-*541,917* PC **A03**/MF **A01**

Acoustic Propagation in a Thermally Stratified Atmosphere.
N85-27636/8 **19**-*543,975* PC **A11**/MF **A01**

Application of Nonlinear Least Squares Methods to the Analysis of Solar Spectra.
N85-33637/8 **26**-*560,100* PC **A03**/MF **A01**

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Adsorption of H2O on Ni(111): Influence of Preadsorbed Oxygen on Azimuthal Ordering.
PB85-201887 **18**-*540,367* Not available NTIS

TEMPERATURE SENSITIVE ELEMENTS

Integrated Optical Temperature Sensor.
AD-A153 716/6 **16**-*536,380* PC **A02**/MF **A01**

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AD-A147 234/9 **03**-*507,285* Not available NTIS

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PB85-195204 **16**-*536,918* PC **E03**/MF **E03**

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AD-A158 219/6 **24**-*556,972* PC **A02**/MF **A01**

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PB85-168185 **12**-*527,494* PC **E03**/MF **E01**

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PB85-103570 **01**-*500,915* PC **A10**/MF **A01**

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PB85-103588 **01**-*500,916* PC **A11**/MF **A01**

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PB85-104461 **01**-*500,918* PC **A05**/MF **A01**

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PB85-104594 **01**-*500,919* PC **A13**/MF **A01**

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PB85-124568 **04**-*508,688* Not available NTIS

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PB85-161396 **11**-*523,922* PC **A04**/MF **A01**

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PB85-207462 **18**-*540,262* PC **A03**/MF **A01**

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PB85-211043 **19**-*542,760* PC **E09**/MF **E01**

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PB85-218840 **20**-*544,918* PC **A02**/MF **A01**

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PB85-104925 **03**-*505,786* Not available NTIS

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PB85-172104 **12**-*526,597* PC **A11**/MF **A01**

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PB85-193100 **16**-*535,783* Not available NTIS

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PB85-170959 **13**-*528,879* PC **A06**/MF **A01**

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PB85-120186 **04**-*508,582* PC **A05**/MF **A01**

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DE85700828 **18**-*541,892* PC **A02**/MF **A01**

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DE85751998 **25**-*558,454* PC **A09**/MF **A01**

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DE84752244 **15**-*534,845* PC **A02**/MF **A01**

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DE85001114 **06**-*514,157* PC **A02**/MF **A01**

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DE85780885 **20**-*546,820* PC **A03**/MF **A01**

TERBIUM 152

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DE85750627 **15**-*534,937* PC **A03**/MF **A01**

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DE85014989 **24**-*556,847* PC **A02**/MF **A01**

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DE85900669 **13**-*530,466* PC **A03**

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DE85751065 **21**-*549,166* PC **A02**/MF **A01**

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DE85010512 **18**-*541,884* PC **A02**/MF **A01**

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DE85006381 **12**-*526,683* PC **A09**/MF **A01**

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DE85003074 **09**-*520,726* PC **A03**/MF **A01**

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DE85007769 **13**-*528,984* PC **A02**/MF **A01**

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PB85-197580 **17**-*539,497* Not available NTIS

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DE85003074 **09**-*520,726* PC **A03**/MF **A01**

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DE85011758 **21**-*547,759* PC **A06**/MF **A01**

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PB85-100980 **01**-*500,745* PC **A02**/MF **A01**

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AD-A148 150/6 **04**-*508,762* Not available NTIS

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AD-A147 374/3 **03**-*507,235* PC **A04**/MF **A01**

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AD-A149 989/6 **09**-*520,172* PC **A03**/MF **A01**

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AD-A153 324/9 **15**-*534,719* Not available NTIS

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AD-A153 654/9 **16**-*536,700* PC **A04**/MF **A01**

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DE85000127 **17**-*537,817* PC **A07**/MF **A01**

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PB85-100956 **02**-*503,932* PC **A05**/MF **A01**

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Silicon Nitride Powder.
N85-10132/7 **03**-*506,381* PC **A02**/MF **A01**

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N85-19036/1 **13**-*528,991* PC **A02**/MF **A01**

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NUREG/CR-4147 **17**-*538,306* PC **A05**/MF **A01**

Fire and Heat Resistant Laminating Resins Based on Maleimido and Citraconimido Substituted 1-(Diorgano Oxyphosphonyl)Methyl-2,4- and 2,6-Diaminobenzenes.
PAT-APPL-6-641 147 **15**-*534,061* PC **A03**/MF **A01**

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PAT-APPL-6-641 153 **15**-*534,062* PC **A02**/MF **A01**

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PATENT-4 485 151 **15**-*533,990* Not available NTIS

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PB85-156560 **09**-*519,770* PC **A06**/MF **A01**

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AD-A156 764/3 **22**-*550,825* PC **A06**/MF **A01**

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AD-P004 920/5 **24**-*555,297* PC **A02**/MF **A01**

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DE85003409 **10**-*522,809* PC **A03**/MF **A01**

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DE85003425 **09**-*520,109* PC **A02**/MF **A01**

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AD-A146 683/8 **01**-*501,043* PC **A02**/MF **A01**

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N85-10104/6 **03**-*505,884* PC **A04**/MF **A01**

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N85-10187/1 **03**-*506,413* PC **A02**/MF **A01**

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PB85-127660 **05**-*510,673* MF **A01**

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AD-A156 215/6 **21**-*548,679* PC **A17**/MF **A01**

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PB85-188142 **16**-*536,370* PC **A14**/MF **A01**

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PB85-193829 **16**-*536,917* PC **E03**/MF **E03**

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DE85751668 **20**-*545,660* PC **A10**/MF **A01**

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DE85780157 **12**-*527,736* PC **A07**/MF **A01**

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N84-35107/1 **02**-*505,053* PC **A08**/MF **A01**

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PB85-185874 **12**-*527,246* PC **A09**/MF **A01**

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PB85-158145 **10**-*521,748* PC **A04**/MF **A01**

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DE84702611 **09**-*519,274* PC **A04**/MF **A01**

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DE81700413 **20**-*545,373* PC **A03**/MF **A01**

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DE85012311 **20**-*546,460* PC **A11**/MF **A01**

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PATENT-4 506 183 **22**-*550,565* Not available NTIS

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DE84702698 **01**-*501,266* PC **A02**/MF **A01**

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PAT-APPL-6-582 238 **05**-*511,575* PC **A02**/MF **A01**

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AD-A148 972/3 **07**-*515,145* PC **A04**/MF **A01**

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AD-P004 443/8 **12**-*527,867* PC **A02**/MF **A01**

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DE84016941 **02**-*504,835* PC **A02**/MF **A01**

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DE84016945 **02**-*504,837* PC **A02**/MF **A01**

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DE85752485 **26**-*560,875* PC **A05**/MF **A01**

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DE85010965 **18**-*541,986* PC **A02**/MF **A01**

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DE85770153 **14**-*532,810* PC **A06**/MF **A01**

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PB85-247534 **26**-*560,456* PC **A02**/MF **A01**

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PB85-142792 **06**-*513,280* Not available NTIS

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AD-A149 957/3 **10**-*521,812* PC **A04**/MF **A01**

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AD-A150 950/4 **11**-*524,170* PC **A02**/MF **A01**

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AD-A152 224/2 **13**-*529,801* PC **A06**/MF **A01**

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AD-A152 664/9 **14**-*532,254* PC **A03**/MF **A01**

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AD-A153 039/3 **15**-*534,334* PC **A07**/MF **A01**

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DE84016971 **02**-*504,808* PC **A04**/MF **A01**

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DE84702906 **05**-*511,666* PC **A02**/MF **A01**

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DE84751752 **05**-*512,313* PC **A02**/MF **A01**

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DE85003933 **10**-*522,473* PC **A04**/MF **A01**

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DE85751990 **25**-*559,268* PC **A02**/MF **A01**

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DE85781193 **25**-*559,330* PC **A03**/MF **A01**

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N85-13217/3 **07**-*515,226* PC **A03**/MF **A01**

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N85-16096/8 **10**-*522,485* PC **A03**/MF **A01**

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N85-23805/3 **17**-*538,707* PC **A06**/MF **A01**

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N85-25262/5 **18**-*542,024* PC **A06**/MF **A01**

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PAT-APPL-6-589 253 **21**-*548,699* PC **A02**/MF **A01**

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PB85-132322 **05**-*512,089* PC **A05**/MF **A01**

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DE84703371 **09**-*520,382* PC **A02**/MF **A01**

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DE85014218 **24**-*556,819* PC **A02**/MF **A01**

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DE85780843 **17**-*539,415* PC **A05**/MF **A01**

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Asymmetrically Deformed States of Thorium Isotopes During Fission Process.
DE84752030 **09**-*520,432* PC **A10**/MF **A01**

Results of Coupled Channels Calculations for the Neutron Cross Sections of a Set of Actinide Nuclei.
DE85700149 **20**-*546,656* PC **A06**/MF **A01**

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DE85780657 **15**-*534,996* PC **A08**/MF **A01**

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DE85780842 **17**-*539,414* PC **A06**/MF **A01**

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DE85000100 **04**-*508,603* PC **A02**/MF **A01**

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DE85012700 **22**-*551,542* PC **A02**/MF **A01**

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DE85700569 **18**-*541,787* PC **A02**/MF **A01**

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DE85780842 **17**-*539,414* PC **A06**/MF **A01**

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DE84017049 **02**-*504,988* PC **A02**/MF **A01**

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DE84702857 **08**-*517,914* PC **A04**/MF **A01**

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THORIUM CARBONATES

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DE85701275 **23**-*553,983* PC **A04**/MF **A01**

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PB85-142818 **06**-*513,677* Not available NTIS

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Three-Dimensional Flow in the Upper Ocean.
AD-A157 831/9 **24**-*555,359* PC **A02**/MF **A01**

Generation of Three-Dimensional Data Bases Using a Building Block Approach,
AD-P004 319/0 **06**-*512,886* PC **A02**/MF **A01**

THREE DIMENSIONAL AIDS

Simulated Three-Dimensional Computer Graphics Training Display for Air Weapons Controllers.
ED-246 866 **06**-*512,930* Not available NTIS

THREE DIMENSIONAL BODIES

Recent Advances in Hybrid/Mixed Finite Elements.
N85-21687/7 **14**-*532,694* PC **A02**/MF **A01**

THREE DIMENSIONAL BOUNDARY LAYER

Instability of a 3-Dimensional Attachment Line Boundary Layer: Weakly Nonlinear Theory and a Numerical Approach.
N85-16063/8 **10**-*522,947* PC **A04**/MF **A01**

Theoretical Contributions to Transonic Flow Analysis for Transport Aircraft.
N85-16838/3 **11**-*523,224* PC **A06**/MF **A01**

Finite Difference Method for inverse Mode Calculations of a Three-Dimensional Boundary Layer.
N85-18007/3 **12**-*527,922* PC **A06**/MF **A01**

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Scattered Data Interpolation and Approximation.
DE85007495 **13**-*529,564* PC **A02**/MF **A01**

Three-Dimensional Reconstruction and Data Display of Chromosome Structure Studied by Electron Microscope Tomography.
DE85011562 **20**-*544,753* PC **A02**/MF **A01**

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PB85-866473 **21**-*548,018* PC **N01**/MF **N01**

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Richardson Number Criterion for the Nonlinear Stability of Three-Dimensional Stratified Flow.
AD-A148 971/5 **07**-*515,528* PC **A02**/MF **A01**

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AD-A149 313/9 **08**-*517,719* PC **A05**/MF **A01**

Fundamental Study of Three Dimensional Two Phase Flow in Combustion Systems.
AD-A151 045/2 **11**-*525,661* PC **A05**/MF **A01**

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AD-A153 279/5 **15**-*534,758* PC **A06**/MF **A01**

Residues of Integrals with Three-Dimensional Multipole Singularities, with Appiication to the Lagally Theorem.
AD-A158 771/6 **25**-*559,410* PC **A02**/MF **A01**

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AD-P004 048/5 **03**-*505,254* PC **A02**/MF **A01**

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N84-33756/7 **01**-*502,381* PC **A05**/MF **A01**

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N85-10012/1 **03**-*505,280* PC **A03**/MF **A01**

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N85-10313/3 **03**-*507,311* PC **A04**/MF **A01**

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N85-10915/5 **04**-*507,879* PC **A02**/MF **A01**

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N85-12070/7 **06**-*513,916* PC **A04**/MF **A01**

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N85-13787/5 **08**-*515,727* PC **A03**/MF **A01**

Oscillatory Convection.
N85-14077/0 **08**-*517,771* PC **A05**/MF **A01**

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N85-19924/6 **14**-*532,571* PC **A03**/MF **A01**

Study of Degenerate and Nondegenerate Critical Points in Three-Dimensional Flow Fields.
N85-20288/5 **14**-*532,577* PC **A04**/MF **A01**

Three-Dimensional Unsteady Lifting Surface Theory in the Subsonic Range.
N85-21111/8 **14**-*530,747* PC **A03**/MF **A01**

Three-Dimensional Spectral Algorithm for Simulations of Transition and Turbulence.
N85-21575/4 **14**-*532,587* PC **A03**/MF **A01**

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N85-21593/7 **14**-*532,589* PC **A02**/MF **A01**

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N85-22371/7 **15**-*535,246* PC **A08**/MF **A01**

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N85-23711/3 **17**-*539,619* PC **A03**/MF **A01**

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N85-24239/4 **17**-*539,302* PC **A03**/MF **A01**

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N85-25763/2 **18**-*541,898* PC **A02**/MF **A01**

Turbulence Characteristics of Swirling Flowfields.
N85-26717/7 **19**-*544,329* PC **A12**/MF **A01**

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N85-29181/3 **21**-*549,025* PC **A02**/MF **A01**

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N85-31016/7 **23**-*551,883* PC **A05**/MF **A01**

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N85-31017/5 **23**-*551,884* PC **A03**/MF **A01**

Implicit Finite-Difference Code for a Two-Equation Turbulence Model for Three-Dimensional Flows.
N85-31448/2 **23**-*554,197* PC **A02**/MF **A01**

New Finite Element Approach: Progress in Inviscid Flow Computations.
N85-31450/8 **23**-*554,199* PC **A02**/MF **A01**

Simulation of Complex Three-Dimensional Flows.
N85-32631/8 **24**-*556,652* PC **A02**/MF **A01**

Exploitation de Calculs Tridimensionnels dans les Compresseurs Transsoniques (Development of Computations of Three Dimensional Flow through Transonic Compressors),
PB85-140903 **07**-*515,540* PC **E03**/MF **E03**

Comparaison de Differentes Methodes de Singularites pour le Calcul des Ecoulements Internes en Tridimensionnel (Comparison of the Different Singularity Methods for Calculation of Internal Three Dimensional Flows),
PB85-157147 **10**-*520,949* PC **E04**/MF **E04**

Extension de la Methode des Petites Pertubations Transsoniques Instationnaires Tridimensionnelles au Cas des Voilures Reelles (Extension of the Method of Small Unstable Three-Dimensional Transonic Dis urbances to the Case of Actual Wing Assemblies),
PB85-161727 **11**-*523,230* PC **E04**/MF **E04**

Aspects of Multigrid Methods for Problems in Three Dimensions,
PB85-236610 **24**-*556,653* PC **E03**/MF **E01**

THREE DIMENSIONAL MOTION

New Method for Compensating and Measuring Any Motion of Three-Dimensional Objects in Holographic Interferometry.
N85-33474/6 **26**-*561,283* PC **A02**/MF **A01**

THREE DIMENSIONAL VISION

Describing Surfaces.
AD-A158 940/7 **25**-*558,179* PC **A03**/MF **A01**

THREE MILE ISLAND-1 REACTOR

RELAP5/MOD2 Overview and Developmental Assessment Results from TMI-1 Plant Transient Analysis.
DE85003549 **09**-*520,115* PC **A02**/MF **A01**

THREE MILE ISLAND-2 REACTOR

Investigation of Acoustic Methods for Detecting TMI-2 Fuel Debris.
DE82001005 **13**-*530,037* PC **A03**/MF **A01**

Venting Krypton-85 from the Three Mile Island Unit 2 Reactor Building.
DE82007348 **24**-*556,378* PC **A02**/MF **A01**

Controlled Air Incinerator Conceptual Design Study.
DE82010039 **24**-*556,381* PC **A06**/MF **A01**

Radionuclide Distribution in TMI-2 Reactor Building Basement Liquids and Solids.
DE84016216 **02**-*504,742* PC **A02**/MF **A01**

Results of Surface Activity and Radiation Field Measurements Made During Surface Decontamination Experiments Conducted at TMI-2.
DE84016217 **02**-*504,685* PC **A02**/MF **A01**

TMI-2 Core Examination Plan.
DE84016303 **02**-*504,643* PC **A06**/MF **A01**

Raman and Luminescence Spectroscopy of Zirconium Oxide with the Use of the MOLE Microprobe.
DE84017234 **04**-*510,124* PC **A02**/MF **A01**

Solidification of EPICOR-II Resin Waste Forms.
DE84017410 **03**-*507,074* PC **A03**/MF **A01**

Examination of TMI Accident Simulation Test at LSTF in ROSA-IV Program.
DE84703557 **10**-*522,778* PC **A04**/MF **A01**

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DE85000059 **04**-*510,137* PC **A09**/MF **A01**

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DE85000292 **08**-*517,577* PC **A02**/MF **A01**

Results of Analyses Performed on Concrete Cores Removed from Floors and D-Ring Walls of the TMI-2 Reactor Building.
DE85001455 **05**-*512,242* PC **A03**/MF **A01**

Advances in Continuous gamma-Ray Spectrometry and Applications.
DE85003018 **10**-*522,805* PC **A02**/MF **A01**

TMI-2 Plant Demineralizer Sample Analysis.
DE85003263 **08**-*517,546* PC **A02**/MF **A01**

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DE85003401 **08**-*517,585* PC **A03**/MF **A01**

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DE85003429 **09**-*520,007* PC **A02**/MF **A01**

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DE85003777 **10**-*522,672* PC **E03**/MF **A01**

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DE85003793 **09**-*520,150* PC **A04**/MF **A01**

TMI-2 Reactor Building Source Term Measurements: Surfaces and Basement Water and Sediment.
DE85003888 **08**-*517,590* PC **A05**/MF **A01**

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DE85004314 **11**-*525,184* PC **E07**/MF**$5.50**

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DE85005498 **12**-*527,733* PC **A05**/MF **A01**

TMI-2 Cable/Connections Program: FY-84 Status Report.
DE85005506 **13**-*530,200* PC **A06**/MF **A01**

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DE85005800 **12**-*527,734* PC **A03**/MF **A01**

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DE85006169 **12**-*527,816* PC **A04**/MF **A01**

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DE85006378 **18**-*541,588* PC **A02**/MF **A01**

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DE85008018 **13**-*530,121* PC **A04**/MF **A01**

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DE85008020 **17**-*539,087* PC **A03**/MF **A01**

Role of Ion Exchange in the Three Mile Island Cleanup.
DE85008259 **25**-*559,231* PC **A02**/MF **A01**

Disposal Demonstration of a High Integrity Container (HIC) Containing an EPICOR-II Prefilter from Three Mile Island.
DE85008325 **15**-*534,583* PC **A06**/MF **A01**

Processing and Removal of the Three Mile Island Makeup and Purification System Resins.
DE85008928 **14**-*532,481* PC **A02**

Institutional Agreements and Interaction for Research and Disposition of Nuclear Waste from Three Mile Island.
DE85008929 **14**-*532,482* PC **A02**

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DE85010614 **18**-*541,511* PC **A04**/MF **A01**

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DE85010919 **19**-*543,930* PC **A11**/MF **A01**

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DE85011360 **19**-*543,931* PC **A03**/MF **A01**

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DE85011431 **19**-*543,871* PC **A03**/MF **A01**

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DE85012060 **19**-*543,913* PC **A05**/MF **A01**

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DE85012613 **22**-*551,206* PC **A03**/MF **A01**

Development of the Flowsheet Used for Decontaminating High-Activity-Level Water at TMI-2. Draft.
DE85012782 **21**-*548,888* PC **A03**/MF **A01**

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DE85013763 **23**-*553,874* PC **A03**/MF **A01**

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DE85014569 **24**-*556,464* PC **A03**/MF **A01**

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DE85014607 **23**-*553,879* PC **A04**/MF **A01**

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DE85014611 **23**-*554,027* PC **A05**/MF **A01**

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DE85015387 **25**-*559,061* PC **A02**/MF **A01**

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DE85780518 **17**-*539,123* PC **A05**/MF **A01**

Public Attitudes Toward Nuclear Power and the TMI Accident.
DE85780998 **24**-*556,332* PC **A02**/MF **A01**

EPICOR-II Resin Degradation Results from First Resin Samples of PF-8 and PF-20.
NUREG/CR-4150 **20**-*545,915* PC **A04**/MF **A01**

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PB85-227502 **22**-*551,184* PC **A02**/MF **A01**

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PB85-242212 **24**-*556,518* PC **A06**/MF **A01**

THREE PHASE FLOW

Transient Three-Phase Three-Component Systems. Part 1. Formulation of the System of Differential Equations.
DE85013267 **22**-*551,292* PC **A04**/MF **A01**

THREE PHASE FLUIDIZATION

Bed Expansion in Three-Phase Fluid Beds Containing Porous-Spherical Solid Particles.
PB85-168458 **12**-*526,623* PC **A04**/MF **A01**

THREE POSITION ESTIMATION

Three Position Estimation Procedures,
AD-A148 748/7 **06**-*513,987* PC **A02**/MF **A01**

THREONINE

Reaction of Two Amino-Acids: Alanine and Threonine with UF sub 6 in Anhydrous HF.
DE85752055 **26**-*560,516* PC **A02**/MF **A01**

THRESHING MACHINES

Village Level Impact of Machine Threshing and Implications for Technology Development in Semi-Arid Tropical India,
PB85-132942 **05**-*510,639* PC **A03**/MF **A01**

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THRESHOLD EFFECTS

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AD-A154 140/8 **17**-*537,566* PC **A04**/MF **A01**

Power Density and Threshold Control Strategies for Radar Track Initiation.
AD-A155 357/7 **19**-*543,787* PC **A02**/MF **A01**

THRESHOLD ENERGY

Absolute Determination of the Threshold Energies of (7)Li(p,n), (10)B(p,n), and (14)N(p,n),
PB85-130714 **08**-*518,023*
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Auditory Impairment and the Onset of Disability and Handicap in Noise-Induced Hearing Loss.
N85-31801/2 **23**-*552,411* PC **A09**/MF **A01**

Fatigue Auditive Engendree Par l'Exposition a des Sons de Differentes Frequences Presentes a des Niveaux d'Audition Egaux (Auditory Fatigue Caused by Exposure to Different Frequency Sounds Presented at Equivalent Intensity).
N85-31923/4 **23**-*552,413* PC **A03**/MF **A01**

THRIFTS

Net Worth Certificate Assistance Programs: Their Design, Major Differences, and Early Implementation.
PB85-122554 **04**-*508,178* PC **A04**/MF **A01**

THROAT

Emergence of Beta-Lactamase-Producing Aerobic and Anaerobic Bacteria in the Oropharynx of Children Following Penicillin Chemotherapy.
AD-A157 612/3 **23**-*552,271* PC **A02**/MF **A01**

THROATS

Multiple Steady States for Characteristic Initial Value Problems.
N85-14800/5 **09**-*520,911* PC **A03**/MF **A01**

THROMBIN

Influence of Hirudin and COBRA Venom Factor on the Release of exp 14 C-Serotonin and exp 51 Chromium from Human Platelets Induced by Thrombin, Collagen, Aggregate Gammaglobulin and HLA Antibody.
DE85781563 **25**-*557,855* PC **A06**/MF **A01**

THROMBOPLASTIN

Certification of Three Reference Materials for Thromboplastins. BCR No. 147, 148, and 149,
PB85-186419 **17**-*537,559* PC **E04**/MF **E04**

THROTTLING

Gas Generator Fuel Flow Throttle Control System.
PAT-APPL-6-591 715 **23**-*554,517* PC **A03**/MF **A01**

THROUGHPUT

Throughput Analysis for Code Division Multiple Accessing of the Spread Spectrum Channel.
AD-A146 434/6 **01**-*501,358* PC **A02**/MF **A01**

Throughput of Channel Access Algorithms with Limited Sensing,
AD-A151 984/2 **13**-*529,928* PC **A02**/MF **A01**

Optimize Computer throughput Using Array Processors.
AD-A155 843/6 **21**-*547,920* PC **A08**/MF **A01**

THRUST

Performance Analysis of Compressed Truncated Perfect Nozzles.
AD-A152 964/3 **15**-*535,257* PC **A13**/MF **A01**

Measurement of Turbofan/Turbojet Thrust from Tailpipe Static Pressure.
AD-A154 036/8 **17**-*539,615* PC **A04**/MF **A01**

Instantaneous Orbit Parameter Changes Produced by Impulsive Thrusting with Application to Orbit Adjust Design for Satellites in Small Eccentricity Orbits.
AD-A158 112/3 **24**-*557,208* PC **A03**/MF **A01**

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AD-P004 284/6 **06**-*513,815* PC **A02**/MF **A01**

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N85-10005/5 **03**-*505,295* PC **A15**/MF **A01**

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N85-10101/2 **03**-*507,785* PC **A17**/MF **A01**

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N85-10997/3 **04**-*510,534* PC **A05**/MF **A01**

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N85-25367/0 **18**-*541,923* PC **A04**/MF **A01**

Application of an Aerodynamic Analysis Method Including Attainable Thrust Estimates to Low Speed Leading-Edge Flap Design for Supersonic Cruise Vehicles.
N85-29918/8 **22**-*549,273* PC **A03**/MF **A01**

Docking Simulation Analysis of Range Data Requirements for the Orbital Maneuvering Vehicle.
N85-31143/9 **23**-*554,527* PC **A05**/MF **A01**

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N85-33185/8 **26**-*562,055* PC **A05**/MF **A01**

THRUST AUGMENTATION

Experimental Investigation of Two-Dimensional Thrust Augmenting Ejectors. Part 1.
AD-A154 104/4 **17**-*539,618* PC **A06**/MF **A01**

Novel Oscillating Jet - Its Effect on Ejector Thrust Augmentation.
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N85-10910/6 **04**-*510,522* PC **A04**/MF **A01**

Viscous-Inviscid Aerodynamic Analysis of Two-Dimensional Thrust Augmentors.
N85-12861/0 **07**-*514,317* PC **A03**/MF **A01**

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N85-12894/0 **07**-*515,684* PC **A06**/MF **A01**

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Experimental Investigation of Two-Dimensional Thrust Augmenting Ejectors. Part 2.
AD-A154 083/0 **17**-*539,617* PC **A05**/MF **A01**

Novel Oscillating Jet - Its Effect on Ejector Thrust Augmentation.
AD-A157 480/5 **23**-*554,504* PC **A03**/MF **A01**

THRUST CHAMBERS

Extended Performance Technology Study 30-cm Thruster.
N85-15806/1 **10**-*523,139* PC **A10**/MF **A01**

SSME Thrust Chamber Simulation Using Navier-Stokes Equations.
N85-19017/1 **13**-*530,725* PC **A06**/MF **A01**

Thrust Chamber Performance Using Navier-Stokes Solution.
N85-19019/7 **13**-*530,726* PC **A05**/MF **A01**

Effective Specific Impulse of Secondary Flow Injected into a Rocket Nozzle.
N85-28970/0 **21**-*549,250* PC **A02**/MF **A01**

THRUST CONTROL

Thrust Characterization of Very High Burning Rate Propellants.
AD-A145 891/8 **01**-*502,309* PC **A04**/MF **A01**

Aircraft Thrust Control Scheme for Terrain Following System.
PATENT-4 467 429 **04**-*507,941* Not available NTIS

THRUST DISTRIBUTION

Space Shuttle Booster Thrust Imbalance Analysis.
N85-21241/3 **14**-*532,861* PC **A03**/MF **A01**

THRUST MEASUREMENT

Vacuum Chamber Pressure Effects on Thrust Measurements of Low Reynolds Number Nozzles.
N85-21259/5 **14**-*532,858* PC **A02**/MF **A01**

THRUST REVERSAL

COANDA Control of a Thick Wall-Jet in the Static Case,
AD-B073 633/0 **21**-*547,214* PC **A02**/MF **A01**

THRUST VECTOR CONTROL

Static Internal Performance of a Two-Dimensional Convergent Nozzle with Thrust-Vectoring Capability Up to 60 Deg.
N85-18951/2 **13**-*530,690* PC **A04**/MF **A01**

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Interval Estimation after Sequential Testing Based on the Total Time on Test.
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Unattended TV Time Transfer Results,
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DE84703372 09-*520,383* PC **A02**/MF **A01**

TIN 116 TARGET

Fusion Near the Threshold: A Comparative Study of the Systems sup 40 Ar+ Sup(112,116,122)Sn and sup 40 Ar+ Sup(144,148,154)Sm.
DE85750789 15-*534,959* PC **A04**/MF **A01**

TIN 117

Nuclear Data for Production of /Sup 117M/Sn for Biomedical Application.
DE85012263 22-*549,798* PC **A02**/MF **A01**

TIN 117 TARGET

Study on the P-Odd Asymmetry of Longitudinally Polarized Neutron Transmission in sup 117 Sn, sup 233 Th, sup 239 Pu Isotopes and Natural Mixture of Cl and Pb Isotopes.
DE84702867 08-*517,920* PC **A02**/MF **A01**

Gamma Spectra in the sup 81 Br, sup 117 Sn and sup 139 La Neutron Resonances Non-Conservating Parity.
DE84702876 08-*517,927* PC **A02**/MF **A01**

States in sup 118 Sn from sup 117 Sn(d,p) sup 118 Sn at 12 MeV.
DE85701448 22-*551,606* PC **A03**/MF **A01**

Difference of the Dynamic Moment of Inertia Isub(Band)Sup((2)) for Xe and Ba Nuclei.
DE85751235 24-*556,864* PC **A03**/MF **A01**

TIN 118

Gamma Spectra in the sup 81 Br, sup 117 Sn and sup 139 La Neutron Resonances Non-Conservating Parity.
DE84702876 08-*517,927* PC **A02**/MF **A01**

Description of G/Ant Multipole Resonances in Spherical Nuclei.
DE84703372 09-*520,383* PC **A02**/MF **A01**

States in sup 118 Sn from sup 117 Sn(d,p) sup 118 Sn at 12 MeV.
DE85701448 22-*551,606* PC **A03**/MF **A01**

Right-Left Asymmetry of gamma Quanta Yield in a Neutron Resonance of sup 117 Sn with Parity Nonconservation.
DE85701848 26-*561,833* PC **A02**/MF **A01**

TIN 118 TARGET

Process of Proton Production in Backward Hemisphere.
DE84703383 09-*520,393* PC **A02**/MF **A01**

TIN 119

Interpretation of 119 Sn Isomer Shifts and 3D 5/2-Core-Level Shifts Based on Dirac-Slater Calculations on a Number of Ionic States.
N85-31973/9 23-*554,260* PC **A02**/MF **A01**

TIN 120

Fragmentation of the Gamow-Teller Resonance in Spherical Nuclei.
DE85700683 20-*546,693* PC **A02**/MF **A01**

TIN 120 TARGET

Isovector Resonances in Pion Charge Exchange.
DE85012746 22-*551,547* PC **A02**/MF **A01**

Elastic Deuteron Scattering in the Energy Range Between 50 and 85 MeV.
DE85750527 15-*534,912* PC **A08**/MF **A01**

First Results from GANIL (Grand Accelerateur National d'Ions Lourds, Caen, France).
DE85751330 20-*546,782* PC **A02**/MF **A01**

Behaviour of sup 144 Gd at Very High Angular Momentum. Study of the Continuum.
DE85751939 25-*559,624* PC **A07**/MF **A01**

Cooperative Production of Neutral Pions and High-Energy Photons in Nucleus-Nucleus Collisions at 60-84 MeV/U.
DE85752135 26-*561,880* PC **A06**/MF **A01**

TIN 122 TARGET

Fusion Near the Threshold: A Comparative Study of the Systems sup 40 Ar+ Sup(112,116,122)Sn and sup 40 Ar+ Sup(144,148,154)Sm.
DE85750789 15-*534,959* PC **A04**/MF **A01**

Effective Moment of Inertia of sup 118 Xe and sup 130 Ba.
DE85751079 19-*544,195* PC **A02**/MF **A01**

Difference of the Dynamic Moment of Inertia Isub(Band)Sup((2)) for Xe and Ba Nuclei.
DE85751235 24-*556,864* PC **A03**/MF **A01**

TIN 124

Fragmentation of the Gamow-Teller Resonance in Spherical Nuclei.
DE85700683 20-*546,693* PC **A02**/MF **A01**

TIN 124 TARGET

Structure Effects in sup 238 U-Induced Dissipative Collisions.
DE85752012 25-*559,629* PC **A02**/MF **A01**

Experimental Detection of Superdeformed Nuclear Shapes in the Mass Range A Approx.= 150 and Angular Momentum Range I > 70 H by Measurement of the Light Charged Particles Emitted Before Fission.
DE85780375 15-*534,984* PC **A05**/MF **A01**

TIN 130

Radioactive Decay Studies at TRISTAN. Progress Report, January 1, 1983-September 30, 1984.
DE85003243 08-*517,999* PC **A04**/MF **A01**

TIN 132

Radioactive Decay Studies at TRISTAN. Progress Report, January 1, 1983-September 30, 1984.
DE85003243 08-*517,999* PC **A04**/MF **A01**

Large-Scale Shell Model Calculations for Odd-Odd Nuclei and Comparison to Experimental Studies of Fission Product Nuclei in the sup 132 Sn Region.
DE85006449 11-*525,493* PC **A02**/MF **A01**

TIN ALLOYS

Electron-Irradiation Effects in Metals.
DE84016989 02-*504,076* PC **A02**/MF **A01**

Neutron Irradiation Effects on Superconducting and Stabilizing Materials for Fusion Magnets.
DE84752250 11-*524,940* PC **A04**/MF **A01**

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DE85003175 06-*513,590* PC **A04**/MF **A01**

Properties of Ti Alloyed Multifilamentary Nb sub 3 Sn Wires by Internal Tin Process.
DE85003212 08-*516,575* PC **A02**/MF **A01**

Microstructural Study on the Processing and Properties of High-Field A15 Superconducting Materials.
DE85004652 11-*525,617* PC **A14**/MF **A01**

Crystal Site Occupancy of Alloying Elements in Polycrystalline Nb sub 3 Sn Superconductors by Electron Channeling.
DE85010234 22-*551,244* PC **A02**/MF **A01**

Microstructural State of Nb sub 3 Sn in a Multifilamentary Titanium Doped Bronze-Process Wire.
DE85010979 18-*540,554* PC **A02**/MF **A01**

Effect of Paramagnetic Rare Earth Ions on the Superconducting Transition Temperature of the Heusler Alloy Pd sub 2 YSn.
DE85013862 22-*551,776* PC **A02**/MF **A01**

Itinerant F-Electron Behavior in Ce and U Compounds.
DE85014961 25-*559,793* PC **A02**/MF **A01**

Processing and Problems in Manufacturing a Ti-Modified Nb sub 3 Sn MJR Billet. Volume 2.
DE85017281 26-*560,935* PC **A02**/MF **A01**

Theoretical and Experimental Studies of the Stability in CVD Nb sub 3 Sn Superconducting Composite Tapes.
DE85700242 11-*524,207* PC **A02**/MF **A01**

Powder Metallurgical Production of Nb sub 3 Sn and V sub 3 Ga Fiber-Reinforced Composite Superconductors.
DE85780305 15-*534,005* PC **A04**/MF **A01**

Aluminum-Stabilized Nb sub 3 Sn Superconductor.
PAT-APPL-6-578 897 21-*548,164* PC **A02**/MF **A01**

TIN BASE ALLOYS

Analysis of the Series of Moderately Heavy Fermion Materials: CeSn sub 3 , USn sub 3 , and NpSn sub 3.
DE85014973 24-*557,033* PC **A02**/MF **A01**

TIN CHLORIDES

Catalytic Coal Liquefaction. Quarterly Report, April-June 1981.
DE85004107 11-*525,704* PC **A02**/MF **A01**

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DE85780512 15-*533,454* PC **A02**/MF **A01**

TIN COATINGS

Metal Finished Steel Sheet for Welded Can,
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TIN COMPOUNDS

Long-Term Effects of Tributyltin Compounds on the Baltic Amphipod, Gammarus oceanicus.
AD-A146 105/2 01-*501,510* Not available NTIS

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AD-A150 282/2 10-*521,677* PC **A02**/MF **A01**

Aspects of Organotin Chemistry.
AD-A150 283/0 10-*521,678* PC **A02**/MF **A01**

On the Correlation between Acute and Sublethal Stress in Mud Crab Larvae, Rhithropanopeus harrisii: The Example of Triorganotin Compounds.
AD-A152 264/8 13-*528,862* Not available NTIS

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AD-A154 715/7 18-*540,123* PC **A04**/MF **A01**

Fate and Effects of Organotin Compounds.
AD-A157 066/0 23-*552,416* PC **A02**/MF **A01**

Synthesis of Tetrabutyl Tin and Its Performance Characteristics in Liquid Scintillation Counting for Radioimmunoassay.
DE85900995 20-*544,936* PC **A02**/MF **A01**

Variable Temperature Trap.
PAT-APPL-6-747 220 26-*561,287* PC **A02**/MF **A01**

TIN HYDROXIDE/TRIPHENYL

Special Review of Certain Pesticide Products. Triphenyltin Hydroxide (TPTH): Position Document 1.
PB85-175487 14-*531,295* PC **A03**/MF **A01**

TIN ISOTOPES

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Nuclear Moments and Changes of the Mean Square Nuclear Charge Radii in Tin and Indium.
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Effects of Organotins on Growth and Survival of Two Marine Diatoms, 'Skeletonema costatum' and 'Thalassiosira pseudonana'.
PB85-220374 21-*547,506* PC **A02**/MF **A01**

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Moessbauer Methods and Spectrometers Specialized in Qualitative and Quantitative Determinations.
DE85701857 26-*560,507* PC **A02**/MF **A01**

Retention and Thermic Desorption of Molybdate Anions on Inorganic Exchangers.
DE85780754 17-*537,686* PC **A03**/MF **A01**

Substitution of Platinum Metal Crucibles Used in the Glass Industry.
PB85-106888 02-*504,036* PC **A04**/MF **A01**

Electrochemical Determination of Thermodynamic Properties of Bismuth Sesquioxide and Stannic Oxide.
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Effects of Pressure on the First-Order Phase Transition of Cu sub 4 SnS sub 4 and Cu sub 8 GeS sub 6.
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TIN/TRIBUTYL

Long-Term Effects of Tributyltin Compounds on the Baltic Amphipod, Gammarus oceanicus.
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TIN/TRIETHYL

Neurobehavioral Toxicity of Triethyltin in Rats as a Function of Age at Postnatal Exposure.
PB85-164812 12-*526,591* PC **A02**/MF **A01**

Inhibition of ATPase Activities of Brain and Liver Homogenates by Triethyltin (TET).
PB85-240646 24-*555,236* PC **A02**/MF **A01**

Tin Distribution in Adult and Neonatal Rat Brain Following Exposure to Triethyltin.
PB85-242824 24-*555,238* PC **A02**/MF **A01**

Pre- and Postweaning Indices of Neurotoxicity in Rats: Effects of Triethyltin (TET).
PB85-242832 25-*557,860* PC **A02**/MF **A01**

TIN URANIUM

Analysis of the Series of Moderately Heavy Fermion Materials: CeSn sub 3 , USn sub 3 , and NpSn sub 3.
DE85014973 24-*557,033* PC **A02**/MF **A01**

TIP CAPS

Cooled Turbine Blade Tip Closure.
PATENT-4 487 550 10-*523,192* Not available NTIS

TIP DRIVEN ROTORS

Experimental Study of Main Rotor Tip Geometry and Tail Rotor Interactions in Hover. Volume 1. Text and Figures.
N85-22344/4 15-*532,902* PC **A05**/MF **A01**

Experimental Study of Main Rotor Tip Geometry and Tail Rotor Interactions in Hover. Volume 2: Run LOG and Tabulated Data.
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Application of Two-Dimensional Unsteady Aerodynamic to a Free-Tip Rotor Response Analysis.
N85-29933/7 22-*549,283* PC **A04**/MF **A01**

TIP SPEED

Shutdown Characteristics of the MOD-O Wind Turbine with Aileron Controls.
N85-16299/8 10-*522,036* PC **A02**/MF **A01**

Study of Controlled Diffusion Stator Blading.
N85-18058/6 12-*528,242* PC **A07**/MF **A01**

Further Comparison of Wind Tunnel and Airplane Acoustic Data for Advanced Design High Speed Propeller Models.
N85-22108/3 14-*530,780* PC **A02**/MF **A01**

TIPS

Approximation Methods for Inverse Problems Involving the Vibration of Beams with Tip Bodies.
N85-11379/3 04-*510,364* PC **A02**/MF **A01**

TIRE CHAINS

RUD Introduces a Chain Device Type 'TERRA' - The New Combination of Polyurethan and Alloy Steel for Snow, Sand and Off-the-Road Terrain,
AD-P004 387/7 11-*524,695* PC **A02**/MF **A01**

TIRE DEFLATION

Tire Deflation Mechanism.
PAT-APPL-6-669 131 08-*517,179* PC **A02**/MF **A01**

TIRE HYDROPLANING

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PB85-855633 08-*517,188* PC **N01**/MF **N01**

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Tire/Road Noise - Comparison of Road and Laboratory Measurements and Influence of Some Tire Parameters on Generation of Sound,
PB85-166114 11-*524,714* PC **E04**/MF **E01**

TIRE RECYCLING

Field Performance of Experimental Tire Anchor Timber Wall.
PB85-226504 22-*550,811* PC **A05**/MF **A01**

TIRE ROLLING RESISTANCE

Investigation of the Rolling Resistance of Fuel-Efficient and High Performance Tires.
PB85-234243 23-*553,539* PC **A02**/MF **A01**

Characterization of the Rolling Resistance of Aftermarket Passenger Car Tires.
PB85-234490 23-*553,541* PC **A04**/MF **A01**

TIRE TREADS

Investigation of a Low-Variability Tire Treadwear Test Procedure and of Treadwear Adjustment for Ambient Tem-

perature. Volume 1. The Test Procedures, Statistical Analyses, and the Findings.
PB85-196335 **17**-*538,607* PC **A06**/MF **A01**

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PB85-196343 **17**-*538,608* PC **A21**/MF **A01**

Investigation of a Low-Variability Tire Treadwear Test Procedure and of Treadwear Adjustment for Ambient Temperature. Volume 3. Appendices F, G, H, I, J and K. Analytical Files.
PB85-196350 **17**-*538,609* PC **A21**/MF **A01**

Determination of 100% Tire Tread Loss by Weight.
PB85-196368 **17**-*538,610* PC **A03**/MF **A01**

TIRE TUBES

Tire Inflation/Deflation System.
PAT-APPL-6-672 056 **08**-*517,180* PC **A02**/MF **A01**

TIRE WEAR MEASUREMENT

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PB85-196350 **17**-*538,609* PC **A21**/MF **A01**

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Tire-Soil Interaction Model for Turning (Steered) Tires.
AD-A157 737/8 **24**-*556,037* PC **A03**/MF **A01**

Modelisation des Pneus Hors Routes et du Sol en Vue de l'Amelioration de la Traction (Modelling of Off-Road Tyres and Soil for Improved Traction),
AD-P004 258/0 **06**-*513,791* PC **A03**/MF **A01**

Soil Compliance Influence on Tyre Performance,
AD-P004 260/6 **06**-*513,793* PC **A02**/MF **A01**

Performance Prediction of Pneumatic Tyres on Sand,
AD-P004 262/2 **06**-*513,794* PC **A02**/MF **A01**

Effects of Slip on Energy Distribution between Tyre and Soil,
AD-P004 263/0 **06**-*513,795* PC **A02**/MF **A01**

Traction Forces of Drive Tyre on the Compacted Soil,
AD-P004 264/8 **06**-*513,796* PC **A02**/MF **A01**

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AD-P004 299/4 **06**-*513,827* PC **A02**/MF **A01**

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AD-P004 303/4 **06**-*513,831* PC **A02**/MF **A01**

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AD-P004 306/7 **06**-*513,834* PC **A03**/MF **A01**

Estimation for Wear Life of Heavy Dump Truck Tire,
AD-P004 366/9 **11**-*524,694* PC **A02**/MF **A01**

All Terrain Vehicle Equipped with CTIS (Central Tire Inflation System),
AD-P004 398/4 **11**-*524,699* PC **A02**/MF **A01**

Central Tire Inflation Systems (CTIS) - A Means to Enhance Vehicle Mobility,
AD-P004 399/2 **11**-*524,700* PC **A02**/MF **A01**

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DE85011259 **19**-*544,370* PC **A03**/MF **A01**

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N84-34773/1 **02**-*504,382* PC **A04**/MF **A01**

Tire Deflation Mechanism.
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Tire Inflation/Deflation System.
PAT-APPL-6-672 056 **08**-*517,180* PC **A02**/MF **A01**

Thermal Depolymerisation of Waste Tires by Heavy Oils. Conversion into Fuels.
PB85-100608 **01**-*502,717* PC **E03**/MF **E03**

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PB85-151231 **09**-*519,717* PC **A12**/MF **A01**

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PB85-173573 **13**-*528,792* PC **A07**/MF **A01**

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PB85-180669 **14**-*532,179* PC **A02**/MF **A01**

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PB85-221349 **21**-*547,636* PC **A02**/MF **A01**

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PB85-227536 **22**-*550,717* PC **A03**/MF **A01**

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PB85-855963 **09**-*519,719* PC **N01**/MF **N01**

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Location and Data Collection Satellite System ARGOS. User's Guide.
N85-27371/2 **19**-*544,463* PC **A03**/MF **A01**

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TISSUE CULTURE

Tissue Culture in Vivo Modelling of Corneal Opacification and Ocular Injuries by Pulsed Millimeter Waves.
AD-A151 811/7 **13**-*528,837* PC **A02**/MF **A01**

TISSUE CULTURE CELLS

FASEB (Federation of American Societies for Experimental Biology) Summer Research on Neuronal Cell Cultures at Saxton's River, Vermont on 12-17 August 1984.
AD-A151 010/6 **11**-*523,863* PC **A02**/MF **A01**

TISSUE CULTURES

Electron Microscopic Investigations of Lung Cell Response to Particulate Insult.
DE85004605 **11**-*523,905* PC **A09**/MF **A01**

TISSUE DISTRIBUTION

Statistical Lung Model for Microdosimetry.
DE84010703 **09**-*518,776* PC **A02**/MF **A01**

Cadmium Retention in Liver and Kidneys of Growing Chicks as Influenced by Zinc Intake and Different Binding-Forms of Cadmium.
DE85751863 **20**-*544,699* PC **A05**/MF **A01**

Toward Modeling the Ecological Effects of Chemicals Acting Jointly,
PB85-199059 **17**-*537,598* PC **A02**/MF **A01**

TISSUE-EQUIVALENT DETECTORS

Pocket Total Dose Meter.
DE85005266 **11**-*523,882* PC **A02**/MF **A01**

Dose Conversion Factors and W sub n Values for Infinitesimal Infinite Tissue-Equivalent Ion Chambers in Monoenergetic Neutron Fields from Thermal to 20 MeV.
PB85-221984 **21**-*548,866* Not available NTIS

TISSUE-EQUIVALENT MATERIALS

About Phanta for Clinical Neutron Dosimetry.
DE85004250 **09**-*518,783* PC **A02**/MF **A01**

Monte Carlo Calculation of Energy Deposition and Ionization Yield for High Energy Protons.
DE85005518 **11**-*525,069* PC **A02**/MF **A01**

Mean delta-Ray Energies in Ion-Molecule Collisions.
DE85005524 **10**-*521,630* PC **A02**

TISSUE EXTRACTS

Chemical Procedures for the Analysis of Plant Material: Multielement, Oil, Sugars and Gum,
PB85-224343 **23**-*552,527* PC **E03**/MF **E03**

TISSUE FLUIDS

Optimum Composition of Resuscitation Fluids,
AD-P004 404/0 **12**-*526,558* PC **A02**/MF **A01**

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Chemicals Identified in Human Biological Media, a Data Base. Fifth Annual Report, October 1983, Volume 6, Part 2.
DE85008767 **17**-*537,587* PC **A21**/MF **A01**

Chemicals Identified in Human Biological Media, a Data Base. Fifth Annual Report, October 1983. Volume VI, Part 1.
DE85008768 **14**-*531,418* PC **A20**/MF **A01**

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DE85008769 **15**-*533,339* PC **A99**/MF **A01**

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DE85012897 **22**-*549,926* PC **A02**/MF **A01**

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Physiological Influences on Tissue Electrical Properties In Situ.
AD-A154 107/7 **17**-*537,562* PC **A06**/MF **A01**

Physiological Influences on Tissue Electrical Properties in Situ.
AD-A154 819/7 **18**-*540,017* PC **A03**/MF **A01**

Molecular Mechanisms Involved in Tissue Swelling Due to Injury and Due to Exposure to Low Temperature and Massive Water and Electrolyte Loss in Diarrheal Disorders.
AD-A157 332/8 **23**-*552,376* PC **A02**/MF **A01**

Biological Effects of Acoustic Cavitation.
AD-A157 513/3 **23**-*552,379* PC **A05**/MF **A01**

Method for Thermal Monitoring Subcutaneous Tissue.
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PB85-133890 **05**-*511,057* PC **E07**/MF **E01**

Ultrasonic Tissue Characterization.
PB85-143618 **05**-*511,068* Not available NTIS

Cell and Nuclei Separation from Tissue and from Various Phases of the Cell Cycle.
PB85-171981 **13**-*528,698* PC **A02**/MF **A01**

Can Tissue Anomalies that Occur in Marine Fish Implicate Specific Pollutant Chemicals,
PB85-212405 **19**-*542,534* PC **A03**/MF **A01**

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PB85-233930 **23**-*552,291* PC **A12**/MF **A01**

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N85-13759/4 **07**-*514,398* PC **A04**/MF **A01**

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N85-23460/7 **15**-*532,961* PC **A04**/MF **A01**

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N85-25058/7 **17**-*537,130* PC **A02**/MF **A01**

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Potential of Titanate Coupling Agents in Solid Rocket Fuel Systems,
AD-P004 454/5 **12**-*526,261* PC **A02**/MF **A01**

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DE85004555 **11**-*525,098* PC **A02**/MF **A01**

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AD-A147 504/5 **03**-*506,404* PC **A09**/MF **A01**

Evaluation of the Alkaline Peroxide Pre-Bond Surface Treatment for Titanium.
AD-A147 722/3 **04**-*509,349* PC **A03**/MF **A01**

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AD-A148 670/3 **06**-*513,557* PC **A03**/MF **A01**

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AD-A157 137/1 **23**-*553,155* PC **A02**/MF **A01**

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AD-A158 669/2 **25**-*557,378* PC **A02**/MF **A01**

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AD-A158 923/3 **25**-*558,419* PC **A02**/MF **A01**

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AD-P004 126/9 **04**-*509,394* PC **A02**/MF **A01**

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AD-P004 134/3 **04**-*509,402* PC **A02**/MF **A01**

Study of the Efficiency of Different Spectrochemical Buffers Applied to the Uranium Ore Analysis.
DE81700471 **20**-*545,133* PC **A03**/MF **A01**

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DE84016942 **02**-*503,562* PC **A02**/MF **A01**

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DE84702866 09-*520,325* PC **A05**/MF **A01**

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DE85003457 09-*520,274* PC **A02**/MF **A01**

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DE85003667 08-*517,433* PC **A03**/MF **A01**

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DE85007345 18-*540,835* PC **A02**/MF **A01**

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DE85700502 16 *536,808* PC **A02**/MF **A01**

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Nitriding of Titanium and Its Alloys by N2, NH3 or Mixtures of N2 + H2 in a DC Arc Plasma at Low Pressures.
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Electron Emission and Ion Desorption Spectroscopy of Clean and Oxidized Ti(0001).
PB85-144889 06-*513,306* Not available NTIS

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PB85-172997 13-*529,093* PC **A03**/MF **A01**

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PB85-182905 15-*533,594* Not available NTIS

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PB85-184653 15-*533,609* Not available NTIS

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PB85-858165 12-*527,138* PC **N01**/MF **N01**

TITANIUM 46 TARGET

Study of the Fusion-Evaporation Reactions for the Compound Nuclei sup 58 Ni, sup 60 Ni, sup 62 Ni Formed by Symmetrical and Asymmetrical Channels from Energies Below the Coulomb Barrier.
DE84751393 02-*505,016* PC **A07**/MF **A01**

Fusion Excitation Functions at Near- and sub-Coulomb Barrier for Symmetric and Asymmetric Medium-Mass Systems.
DE85751333 20-*546,784* PC **A02**/MF **A01**

Experimental Study of the Dominant Channels for the Ti Isotopes + exp 13 C Reactions. Comparisons with the Evaporation Programs.
FRNC-TH-939 20-*546,852* PC **A06**/MF **A01**

TITANIUM 47 TARGET

Study of Excited States in sup 48 Ti, sup 49 Ti and sup 50 Ti by Means of Radiative Neutron Capture.
DE84702103 03-*507,446* PC **A05**/MF **A01**

Experimental Study of the Dominant Channels for the Ti Isotopes + exp 13 C Reactions. Comparisons with the Evaporation Programs.
FRNC-TH-939 20-*546,852* PC **A06**/MF **A01**

TITANIUM 48

Study of Excited States in sup 48 Ti, sup 49 Ti and sup 50 Ti by Means of Radiative Neutron Capture.
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Energy Dissipation in Heavy Systems: The Transition from Quasi-Elastic to Deep-Inelastic Scattering.
DE84016231 01-*502,467* PC **A02**/MF **A01**

TITANIUM 48 TARGET

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DE85751333 20-*546,784* PC **A02**/MF **A01**

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Experimental Study of the Dominant Channels for the Ti Isotopes + exp 13 C Reactions. Comparisons with the Evaporation Programs.
FRNC-TH-939 20-*546,852* PC **A06**/MF **A01**

TITANIUM 49

Study of Excited States in sup 48 Ti, sup 49 Ti and sup 50 Ti by Means of Radiative Neutron Capture.
DE84702103 03-*507,446* PC **A05**/MF **A01**

TITANIUM 49 TARGET

Study of Excited States in sup 48 Ti, sup 49 Ti and sup 50 Ti by Means of Radiative Neutron Capture.
DE84702103 03-*507,446* PC **A05**/MF **A01**

Experimental Study of the Dominant Channels for the Ti Isotopes + exp 13 C Reactions. Comparisons with the Evaporation Programs.
FRNC-TH-939 20-*546,852* PC **A06**/MF **A01**

TITANIUM 50

Study of Excited States in sup 48 Ti, sup 49 Ti and sup 50 Ti by Means of Radiative Neutron Capture.
DE84702103 03-*507,446* PC **A05**/MF **A01**

TITANIUM 50 TARGET

Study of the Fusion-Evaporation Reactions for the Compound Nuclei sup 58 Ni, sup 60 Ni, sup 62 Ni Formed by Symmetrical and Asymmetrical Channels from Energies Below the Coulomb Barrier.
DE84751393 02-*505,016* PC **A07**/MF **A01**

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DE84752161 09-*520,440* PC **A02**/MF **A01**

Excitation of delta L= 0 Spin-Flip Transitions in the N= 28 Isotones by 201 MeV Proton Inelastic Scattering.
DE85751328 20-*546,781* PC **A03**/MF **A01**

Fusion Excitation Functions at Near- and sub-Coulomb Barrier for Symmetric and Asymmetric Medium-Mass Systems.
DE85751333 20-*546,784* PC **A02**/MF **A01**

Cross Section Determination of Threshold Like (n,p), (n, alpha) and (n,2n) Reactions with 14 MeV Neutrons for the sup 50 Ti, sup 68 Zn and sup 90 Zr Nuclides.
DE85780841 17-*539,413* PC **A06**/MF **A01**

Experimental Study of the Dominant Channels for the Ti Isotopes + exp 13 C Reactions. Comparisons with the Evaporation Programs.
FRNC-TH-939 20-*546,852* PC **A06**/MF **A01**

TITANIUM ADDITIONS

Microluminescence Spectra of Ti-Activated ZrO sub 2 -Y sub 2 O sub 3.
DE85010131 22-*551,766* PC **A02**/MF **A01**

TITANIUM ALLOYS

Fatigue Crack Propagation in Metastable Titanium Alloys.
AD-A145 824/9 01-*501,531* PC **A03**/MF **A01**

Pulsed Electric Discharge Laser Technology. Electron Beam Window Foil Material.
AD-A146 420/5 01-*502,392* PC **A06**/MF **A01**

A Rationalization of Tensile Ductility and Fracture in Alpha-Beta Ti-Mn Alloys.
AD-A146 583/0 01-*501,543* PC **A02**/MF **A01**

Fracture Toughness: A Rationalization of the Role of Microstructure in an Alpha-Beta Titanium Alloy.
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AD-A146 770/3 02-*504,061* Not available NTIS

Finite Element Method (FEM) Calculations of Stress-Strain Behavior of Alpha-Beta Ti-Mn Alloys. Part 2. Stress and Strain Distributions.
AD-A146 821/4 02-*504,062* Not available NTIS

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AD-A146 834/7 02-*504,063* PC **A02**/MF **A01**

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AD-A146 835/4 02-*504,064* Not available NTIS

Deformation Associated with Surface Cracks and Alpha Particles in an Alpha-Beta Titanium Alloy.
AD-A146 880/0 02-*504,065* Not available NTIS

Pulsed Electric Discharge Laser Technology. Electron Beam Window Foil Material.
AD-A147 488/1 03-*507,324* PC **A06**/MF **A01**

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AD-A147 516/9 03-*506,420* Not available NTIS

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AD-A147 626/6 04-*509,377* PC **A14**/MF **A01**

Evolution of the Equiaxed Morphology of Phases in Ti-6Al-4V.
AD-A148 285/0 05-*511,679* PC **A02**/MF **A01**

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AD-A148 610/9 06-*513,556* PC **A09**/MF **A01**

Influence of Hydrogen on the Multiaxial Fracture Behavior of Titanium Alloy Sheets.
AD-A148 671/1 06-*513,558* PC **A02**/MF **A01**

Deformation and Fracture of P/M (Powder/Metallurgy) Titanium Alloys.
AD-A148 672/9 06-*513,559* PC **A03**/MF **A01**

Alloy Development, Processing and Characterization of Devitrified Titanium Base Microcrystalline Alloys.
AD-A149 609/0 09-*519,375* PC **A06**/MF **A01**

Production of Shaped Parts of NITINOL Alloys by Solid-State Sintering,
AD-A152 089/9 13-*529,734* PC **A03**/MF **A01**

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AD-A154 122/6 17-*538,220* PC **A05**/MF **A01**

Fundamental Investigations of Failure during Superplastic Forming Process.
AD-A154 516/9 18-*540,828* PC **A02**/MF **A01**

Comparison of the Response of Shape Memory Alloy Actuators Using Air-Cooling and Water-Cooling.
AD-A155 216/5 19-*543,205* PC **A06**/MF **A01**

Deformation and Fracture of P/M Titanium Alloys.
AD-A157 416/9 23-*553,159* PC **A03**/MF **A01**

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AD-P004 121/0 04-*509,389* PC **A02**/MF **A01**

Effects of Oxygen on the Microstructure and Properties of Titanium 6211 Alloys,
AD-P004 122/8 04-*509,390* PC **A02**/MF **A01**

Nonlinear Ultrasonic Characterization of Oxygen Impurities in Titanium,
AD-P004 123/6 04-*509,391* PC **A02**/MF **A01**

Effects of Oxygen-Contamination-Induced Microstructural Changes on the Reverberation of Ultrasound in Ti-6211 Alloys,
AD-P004 124/4 04-*509,392* PC **A02**/MF **A01**

Acoustical Characterization of Ti-6211 Weldments and Oxygen Contamination Ti-6211 Plate,
AD-P004 125/1 04-*509,393* PC **A02**/MF **A01**

Photoacoustic Microscopy of Oxygen Contaminated Titanium Alloys,
AD-P004 127/7 04-*509,395* PC **A02**/MF **A01**

High Resolution Acoustic Microstructural Characterization of Titanium with Interstitial Contamination,
AD-P004 128/5 04-*509,396* PC **A02**/MF **A01**

Evaluation of Interstitial Gas Contamination in Titanium Alloys Using Induced Magnetic Field Analysis,
AD-P004 130/1 04-*509,398* PC **A02**/MF **A01**

Electromagnetic NDE(Nondestructive Evaluation) of Interstitial Contamination in Titanium Alloy Weldments,
AD-P004 131/9 04-*509,399* PC **A02**/MF **A01**

Evaluation of the Thermoelectric Method for Determination of Interstitial Gases in Titanium,
AD-P004 132/7 04-*509,400* PC **A03**/MF **A01**

Measurement of Oxygen Contamination in Titanium Alloy Ingots by Fast Neutron Activation Analysis,
AD-P004 133/5 04-*509,401* PC **A02**/MF **A01**

Nondestructive Evaluation of Titanium Alloys. ESCA (Electron Spectroscopy for Chemical Analysis), ISS (Ion Scattering Spectroscopy), and SIMS (Secondary Ion Mass Spectrometry) Examination of Titanium Alloy Solid Surfaces,
AD-P004 135/0 04-*509,403* PC **A02**/MF **A01**

Metallurgical Studies of Hydrogen Storage Alloys. Final Report.
DE84017182 03-*507,800* PC **A10**/MF **A01**

Stability Behaviour of a Copper Stabilized NbTi Multifilamentary Conductor under Different Cooling Conditions.
DE84751800 03-*506,433* PC **A03**/MF **A01**

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DE84752259 **11**-*524,940* PC **A04**/MF **A01**

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DE85002744 **08**-*516,879* PC **A02**/MF **A01**

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DE85003114 **08**-*516,892* PC **A02**/MF **A01**

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DE85004640 **10**-*523,156* PC **A15**/MF **A01**

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DE85007906 **13**-*529,488* PC **A02**/MF **A01**

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DE85008152 **13**-*529,490* PC **A02**/MF **A01**

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DE85012256 **23**-*552,507* PC **A06**/MF **A01**

Shock-Wave Synthesis of Titanium Aluminides.
DE85015140 **24**-*555,771* PC **A02**/MF **A01**

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DE85016815 **26**-*560,929* PC **A02**/MF **A01**

Processing and Problems in Manufacturing a Ti-Modified Nb sub 3 Sn MJR Billet. Volume 2.
DE85017281 **26**-*560,935* PC **A02**/MF **A01**

Radiation Damage and Enhanced Short Range Ordering in Amorphous Cu sub 50 Ti sub 50.
DE85751565 **20**-*545,513* PC **A02**/MF **A01**

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N85-12384/2 **06**-*513,606* PC **A02**/MF **A01**

Nitriding of Titanium and Its Alloys by N2, NH3 or Mixtures of N2 + H2 in a DC Arc Plasma at Low Pressures.
N85-15168/6 **09**-*519,730* PC **A02**/MF **A01**

Study of Residual Stresses Introduced into TA6ZrD (685) Cylinders by Quenching.
N85-18435/6 **12**-*527,131* PC **A02**/MF **A01**

Comparaison de la Resistance a la Fatigue (Initiation-Propagation) du Ta6v de Fonderie Avec le Ta6v Corroye, Essais 17.216, Compte Rendu d'Essai, Premiere Partie (Comparison of the Fatigue Resistance (Initiation, Propagation) of Cast Ta6v with Hot Rolled Ta6v).
N85-21341/1 **14**-*531,877* PC **A04**/MF **A01**

CO Adsorption on (111) and (100) Surfaces of the Pt sub 3 Ti Alloy. Evidence for Parallel Binding and Strong Activation of CO.
N85-32176/8 **24**-*555,338* PC **A02**/MF **A01**

Wear Improvement in Titanium Alloys by Ion Implantation.
PAT-APPL-6-657 115 **17**-*538,278* PC **A02**/MF **A01**

Method for Refining Microstructures of Cast Titanium Articles.
PATENT-4 482 398 **10**-*522,136* Not available NTIS

Titanium Metal-Matrix Composites.
PATENT-4 499 156 **15**-*534,008* Not available NTIS

Ti-6Al-4V Alloy Castings Prepared in Zircon Sand Molds and the Effect of Hot Isostatic Pressing.
PB85-109932 **03**-*506,449* PC **A02**/MF **A01**

Evaluation de L'Alliage de Titane IMI 829 Elabore par Metallurgie des Poundres. Procede PSV du Ceng (Evaluation of the Titanium Alloy IMI 829 prepared by Powder Metallurgy. Ceng PSV Process).
PB85-222925 **21**-*548,174* PC **E06**/MF **E06**

Caracterisation Metallurgique et en Fatigue D'Assemblage des Alliages 2214T451, 7010T73651 et 2024T351 en Toles (50 a 70 mm, 120 a 125 mm) et Forges-Tractionnes (Metallurgical and Fatigue Characterization of Assemblies of Alloys 2214T451, 7010T73651 and 2024T351 in Sheets (50 to 70 mm, 120 to 125 mm) and Forged-Pulled).
PB85-222933 **21**-*548,175* PC **E06**/MF **E06**

Thermodynamic Properties of Alloys in the Fe-Ti System.
PB85-230936 **23**-*553,176* PC **E04**/MF **E04**

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PB85-858165 **12**-*527,138* PC **N01**/MF **N01**

TITANIUM BASE ALLOYS

Corrosion Research of Alloys for Use in Nuclear Waste Disposal Canisters.
DE84006292 **06**-*513,575* PC **A02**

Radiation-Induced Erosion of Titanium Alloy Surface and Hydrogen Adsorption under H exp + and He exp + Ion Bombardment.
DE84702333 **03**-*506,959* PC **A03**/MF **A01**

Microstructure and Mechanical Properties of Titanium Alloys.
DE84770527 **08**-*516,871* PC **A07**/MF **A01**

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DE85000943 **04**-*508,618* PC **A03**/MF **A01**

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DE85009086 **14**-*531,865* PC **A03**/MF **A01**

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DE85009284 **14**-*531,867* PC **A04**/MF **A01**

Properties of Ti-6Al-4V Spun Formed Fuze Supports.
DE85011968 **20**-*545,506* PC **A03**/MF **A01**

Corrosion Studies of Container Materials for Radioactive Waste Disposal in Granite Formation.
DE85700293 **17**-*538,244* PC **A05**/MF **A01**

TITANIUM BORIDE

Evaluation of Titanium Diboride Gun Tube Coatings.
AD-A148 901/2 **07**-*515,511* PC **A02**/MF **A01**

Study of Self-Propagating Condensed Phase Reactions - TiB(2) Synthesis.
AD-A153 198/7 **15**-*533,525* PC **A03**/MF **A01**

TITANIUM BORIDES

Evaluation of Titanium Diboride Gun Tube Coatings.
AD-A148 901/2 **07**-*515,511* PC **A02**/MF **A01**

Surface Mechanical Properties and Wear Behavior of Ion Implanted TiB sub 2.
DE85001130 **05**-*511,648* PC **A02**/MF **A01**

Reliability of the Quantification of EELS Measurements.
DE85001242 **04**-*508,802* PC **A02**/MF **A01**

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DE85004126 **08**-*516,845* PC **A03**/MF **A01**

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DE85004414 **10**-*522,080* PC **A02**/MF **A01**

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DE85004939 **11**-*525,742* PC **A07**/MF **A01**

Secondary Fluorescence Effects on X-Ray Microanalysis.
DE85005565 **12**-*527,058* PC **A02**/MF **A01**

Pressure-Density Behavior for AIN, Al sub 2 O sub 3 , SiO sub 2 , TiB sub 2 and TiC Powders Up to 3.5 GPa.
DE85006146 **11**-*524,430* PC **A03**/MF **A01**

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PB85-164069 **11**-*523,838* PC **A02**/MF **A01**

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PB85-164077 **11**-*523,839* PC **A02**/MF **A01**

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PB85-164523 **11**-*524,054* PC **A02**/MF **A01**

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PB85-164713 **11**-*523,843* PC **A02**/MF **A01**

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PB85-167203 **12**-*526,532* PC **E05**/MF **E01**

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PB85-167906 **13**-*528,877* PC **A04**/MF **A01**

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PB85-179646 14-*531,432* PC **A06**/MF **A01**

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PB85-179653 14-*531,433* PC **A08**/MF **A01**

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PB85-179745 14-*531,373* PC **A03**/MF **A01**

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PB85-179760 14-*531,374* PC **A02**/MF **A01**

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PB85-181220 14-*531,378* PC **A02**/MF **A01**

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PB85-181238 14-*531,379* PC **A02**/MF **A01**

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PB85-181287 14-*531,384* PC **A02**/MF **A01**

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PB85-181329 14-*531,385* PC **A03**/MF **A01**

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PB85-183085 15-*533,376* PC **A06**/MF **A01**

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PB85-184091 15-*533,377* PC **A02**/MF **A01**

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PB85-184109 16-*535,728* PC **A02**/MF **A01**

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PB85-184117 16-*535,729* PC **A03**/MF **A01**

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PB85-184125 15-*533,378* PC **A02**/MF **A01**

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PB85-184133 16-*535,730* PC **A03**/MF **A01**

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PB85-184166 15-*533,379* PC **A03**/MF **A01**

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PB85-184174 15-*533,380* PC **A02**/MF **A01**

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PB85-184232 15-*533,386* PC **A02**/MF **A01**

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PB85-184281 15-*533,391* PC **A02**/MF **A01**

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PB85-185320 15-*533,396* PC **A02**/MF **A01**

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PB85-185338 15-*533,397* PC **A02**/MF **A01**

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PB85-185346 15-*533,398* PC **A02**/MF **A01**

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PB85-185528 15-*533,400* PC **A03**/MF **A01**

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PB85-185536 15-*533,401* PC **A02**/MF **A01**

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PB85-185569 15-*533,404* PC **A02**/MF **A01**

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PB85-185577 15-*533,405* PC **A02**/MF **A01**

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PB85-186732 15-*533,406* PC **A02**/MF **A01**

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Health Hazard Evaluation Report HETA 79-027-1459, E. I. Dupont De Nemours and Company, Louisville, Kentucky,
PB85-186757 15-*533,407* PC **A03**/MF **A01**

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PB85-187696 15-*533,408* PC **A02**/MF **A01**

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PB85-188837 16-*536,282* PC **A07**/MF **A01**

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PB85-188878 16-*535,700* PC **A17**/MF **A01**

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PB85-191559 14-*531,434* PC **A11**/MF **A01**

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PB85-192219 16-*535,703* PC **A08**

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PB85-193498 18-*540,245* Not available NTIS

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PB85-196798 17-*538,500* PC **A03**/MF **A01**

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PB85-196806 17-*538,655* PC **E04**/MF **E01**

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PB85-198216 17-*537,547* Not available NTIS

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PB85-207751 19-*542,673* PC **A02**/MF **A01**

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PB85-207769 19-*542,674* PC **A02**/MF **A01**

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PB85-207777 19-*542,675* PC **A02**/MF **A01**

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PB85-207793 19-*542,676* PC **A03**/MF **A01**

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PB85-207801 19-*542,677* PC **A02**/MF **A01**

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PB85-207827 19-*542,679* PC **A02**/MF **A01**

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AD-A151 580/8 **12**-*525,884* PC **A06**/MF **A01**

Gears and Power Transmission Systems for Helicopters and Turboprops; Conference Proceedings: Propulsion and Energetics Panel Symposium (64th) Held at Lisbon, Portugal on 8-12 October 1984.
AD-A152 673/0 **14**-*532,839* PC **A17**/MF **A01**

Corrosion Susceptibilities of Magnesium Alloys AZ91, EZ33 and ZE41.
AD-B075 280/8 **14**-*531,853* PC **A03**/MF **A01**

Helicopter Transmission Lubricants,
AD-P004 655/7 **18**-*540,874* PC **A02**/MF **A01**

Problems of Elastic Hydrodynamic Lubrication of Helicopter Transmissions Gears,
AD-P004 668/0 **18**-*540,876* PC **A02**/MF **A01**

TRANSMISSION LINES

Interface Structures for Millimeter-Wave Circuits.
AD-A146 557/4 **01**-*501,371* PC **A05**/MF **A01**

Lumped Circuit Transmission Line Model.
AD-A147 711/6 **04**-*509,047* PC **A03**/MF **A01**

Dynamic Response of Fluid Transmission Lines.
AD-A151 926/3 **13**-*529,726* PC **A07**/MF **A01**

Currents Induced on Uninsulated Wires with Finite Conductivity.
AD-A152 191/3 **13**-*529,111* PC **A05**/MF **A01**

Laser and Millimeter-Wave Backscatter of Transmission Cables.
AD-A153 147/4 **15**-*533,868* PC **A02**/MF **A01**

Microcomputer Network: Investigation and Implementation.
AD-A155 631/5 **19**-*543,026* PC **A05**/MF **A01**

Quasistatic Characteristics of Asymmetrical and Coupled Coplanar-Type Transmission Lines.
AD-A156 929/2 **22**-*550,170* PC **A03**/MF **A01**

Feasiblity Study for a 34 Ghz (Ka Band) Gyroamplifier.
N85-19325/8 **13**-*529,249* PC **A08**/MF **A01**

Effect of Interfacial Characteristics of Metal Clad Polymeric Substrates on Electrical High Frequency Interconnection Performance.
N85-20223/2 **14**-*531,639* PC **A02**/MF **A01**

Performance Analysis of Radiation Cooled DC Transmission Lines for High Power Space Systems.
N85-28222/6 **20**-*545,189* PC **A03**/MF **A01**

Process to Produce Fine Line Metallic Collection Patterns on Semiconductors Devices.
PAT-APPL-6-648 185 **15**-*534,039* PC **A02**/MF **A01**

Amplitude and Phase Modulation in Fin-Lines Electrical Tuning.
PATENT-4 506 234 **24**-*555,478* Not available NTIS

Fluxon Propagation on a Josephson Transmission Line,
PB85-108421
03-*506,077*
(Order as PB85-108306, PC **E07**/MF **E01**)

Evaluation of Transient Measurement Methods in Gas-Insulated Transmission Lines.
PB85-113017 **03**-*506,082* PC **A05**/MF **A01**

Biological Effects of 60-Hz Power Transmission Lines,
PB85-200871 **18**-*540,201* PC **A13**/MF **A01**

Strip Transmission Lines. 1979-August 1985 (Citations from the NTIS Data Base).
PB85-865814 **20**-*545,196* PC **N01**/MF **N01**

TRANSMISSION LOSS

Sound Propagation from a Coastal Source to a Deep Ocean Receiver.
AD-A146 996/4 **02**-*504,844* PC **A03**/MF **A01**

Twenty-Five Sound Propagation Tests on the Continental Shelf between Long Island, New York and Cape Canaveral, Florida.
AD-A149 869/0 **09**-*520,177* PC **A05**/MF **A01**

Ice Statistics and Acoustic Scattering in the Arctic Basin.
AD-A150 141/0 **10**-*522,912* PC **A03**/MF **A01**

Airborne Sound Transmission Loss Characteristics of Wood-Frame Construction.
AD-A154 174/7 **17**-*538,656* PC **A03**/MF **A01**

Long Term Statistical Measurements of Environmental Acoustics Parameters in the Arctic. AEAS Report Number 2. Low Frequency Transmission Loss Measurements in the Central Arctic Ocean.
AD-A156 576/1 **21**-*549,004* PC **A06**/MF **A01**

Temporal and Spatial Variabilities in Shallow Water Acoustics: Measurements and Predictions.
AD-A156 718/9 **22**-*551,237* PC **A02**/MF **A01**

Long Term Statistical Measurements of Environmental Acoustics Parameters in the Arctic. AEAS Report Number 1. Ambient Noise Levels in the West Greenland Sea.
AD-A156 818/7 **22**-*551,236* MF **A01**

Noise Transmission Loss of a Rectangular Plate in an Infinite Baffle.
N85-22109/1 **14**-*530,756* PC **A03**/MF **A01**

Handbook of Radio Wave Propagation Loss (100 - 10,000 MHz).
PB85-200012 **18**-*541,902* PC **A08**/MF **A01**

TRANSMISSION OILS

Helicopter Transmission Lubricants,
AD-P004 655/7 18-*540,874* PC **A02**/MF **A01**

TRANSMISSIONS

Decoder for Significant Level Transmissions of RAOBS,
PB85-109676 03-*506,163* PC **A02**/MF **A01**

TRANSMISSIONS (MACHINE ELEMENTS)

In-Flight Estimation and Indication of Cumulative Fatigue Damage to Helicopter Gears.
N85-12050/9 06-*512,668* PC **A06**/MF **A01**

Surveillance des Machines (The Monitoring of Machines).
N85-13253/8 07-*515,167* PC **A03**/MF **A01**

Investigation on Experimental Techniques to Detect, Locate and Quantify Gear Noise in Helicopter Transmissions.
N85-17667/5 11-*524,812* PC **A06**/MF **A01**

System-Level Mathematical Model for Evaluation of Power Train Performance of Load-Leveled Electric-Vehicles.
N85-25009/0 17-*538,606* PC **A03**/MF **A01**

Correlation of Rheological Characteristics of Lubricants with Transmission Efficiency Measurements.
N85-30342/8 22-*550,491* PC **A02**/MF **A01**

Estimation of Dynamic Rotor Loads for the Rotor Systems Research Aircraft: Methodology Development and Validation.
N85-31045/6 23-*551,918* PC **A04**/MF **A01**

TRANSMISSIONS (MECHANICAL)

Transmission Efficiency Measurements and Correlations with Physical Characteristics of the Lubricant.
AD-A149 179/4 08-*515,739* PC **A02**/MF **A01**

In-Flight Estimation and Indication of Cumulative Fatigue Damage to Helicopter Gears,
AD-A151 580/8 12-*525,884* PC **A06**/MF **A01**

Special Power Train Requirements for the Next Generation of Rotary-Wing Aircraft,
AD-P004 656/5 18-*539,665* PC **A02**/MF **A01**

State of the Art Assessment of Turboprop Transmission Technology and Projected Needs for the Next Generation,
AD-P004 657/3 18-*539,666* PC **A02**/MF **A01**

TRANSMISSOMETERS

Description and Use of the Single-Color Transmissometer Plume Diagnostic Code A32CODE.
AD-A146 181/3 01-*501,943* PC **A03**/MF **A01**

Atmospheric Transmissometer.
PATENT-4 469 443 11-*524,815* Not available NTIS

TRANSMITTANCE

Feasibility Study of Radar-Transmitting Materials.
AD-A155 839/4 21-*548,802* PC **A04**/MF **A01**

Atmospheric IR Transmission Measurements in a Tropical Maritime Environment: Comparison with the LOWTRAN 6 Model.
AD-A157 920/0 24-*556,668* PC **A03**/MF **A01**

Four-Wavelength Lidar Evaluation of Particle Characteristics and Aerosol Densities.
AD-A158 500/9 25-*558,892* PC **A05**/MF **A01**

Transmittance MAP (Measurement Assurance Program) Service.
PB85-206050 18-*541,707* PC **A04**/MF **A01**

TRANSMITTER RECEIVERS

SINCGARS-V Maturity Operational Test: Human Factors Evaluation (Synopsis).
AD-A149 601/7 09-*518,535* PC **A03**/MF **A01**

Radiofrequency Radiation Safety of Two Manpack Transceivers (AN/PRC-515 and AN/PRC-77),
AD-P004 971/8 24-*555,186* PC **A02**/MF **A01**

Firefighters' Communication Transceiver Test Plan.
N85-22654/2 15-*534,493* PC **A04**/MF **A01**

Transceiver Test Device.
PAT-APPL-6-657 092 20-*545,988* PC **A03**/MF **A01**

Personal Radio Guide.
PB85-142990 06-*513,982* Not available NTIS

TRANSMITTERS

Experimental Evaluation of a New Form of M-ary (M= 8) Phase Shift Keying Including Design of the Transmitter and Receiver.
AD-A155 103/5 19-*543,758* PC **A03**/MF **A01**

5 Watt, Solid State, EHF Transmitter.
AD-A156 933/4 22-*550,925* PC **A03**/MF **A01**

20 Ghz Solid State Transmitter Design, Impatt Diode Development and Reliability Assessment.
N84-33715/3 01-*502,091* PC **A22**/MF **A01**

Measurement Results from a Balloon Experiment Simulating Land Mobile Satellite Transmissions.
N85-25683/2 18-*541,403* PC **A04**/MF **A01**

Optical Radar Transceiver Control Apparatus.
PAT-APPL-6-761 257 26-*561,351* PC **A02**/MF **A01**

TRANSONIC CHARACTERISTICS

Transonic Unsteady Aerodynamics and Its Aeroelastic Applications Held at Toulouse, France on 2-7 September 1984.
AD-A154 078/0 17-*536,998* PC **A14**/MF **A01**

TRANSONIC COMPRESSOR

Research Applied to Transonic Compressors in Numerical Fluid Mechanics of Inviscid Flow and Viscous Flow.
N85-18291/3 12-*528,245* PC **A05**/MF **A01**

TRANSONIC COMPRESSORS

Current Problems in Turbomachinery Fluid Dynamics.
AD-A147 127/5 02-*504,873* PC **A06**/MF **A01**

Finite Element Method for the Solution of Two-Dimensional Transonic Flows in Cascades.
N85-12045/9 06-*512,656* PC **A03**/MF **A01**

Study of Controlled Diffusion Stator Blading.
N85-18058/6 12-*528,242* PC **A07**/MF **A01**

TRANSONIC FLIGHT

Joined Wing Transonic Design and Test Validation.
AD-A148 355/1 05-*510,556* PC **A06**/MF **A01**

Design of a Basic Airfoil for a Slightly Swept Wing. Part 1: Theoretical Transonic Airfoil Design.
N85-31054/8 23-*551,924* PC **A03**/MF **A01**

TRANSONIC FLOW

Review of Requirements and Status of Simulation and Scaling of Transonic, Viscous Flows.
AD-A146 357/9 01-*500,003* PC **A04**/MF **A01**

A Method for Solving the Inverse Problem of Transonic Cascade Flow--Translation.
AD-A146 739/8 02-*504,868* PC **A02**/MF **A01**

Current Problems in Turbomachinery Fluid Dynamics.
AD-A147 127/5 02-*504,873* PC **A06**/MF **A01**

Acta Aeronautica et Astronautica Sinica--Translation.
AD-A147 304/0 03-*505,251* PC **A04**/MF **A01**

Research into Topics in Transonic Flow Theory.
AD-A148 526/7 05-*512,410* PC **A04**/MF **A01**

Flow Field and Acoustics of Two-Dimensional Transonic Blade-Vortex Interactions.
AD-A150 035/4 09-*518,317* Not available NTIS

Pseudospectral Calculations of Two-Dimensional Transonic Flow (Task 1). Numerical Investigation of VTOL Aerodynamics (Task 2).
AD-A150 123/8 09-*518,318* PC **A05**/MF **A01**

Preliminary Development of an Approximation Procedure for Supercritical Wing Design Optimization Applications.
AD-A150 177/4 10-*522,935* PC **A03**/MF **A01**

Status and Prospects of Computational Fluid Dynamics for Unsteady Transonic Viscous Flows.
AD-A150 362/2 10-*522,936* PC **A03**/MF **A01**

Transonic Merging Separated Flows.
AD-A150 667/4 11-*525,350* PC **A05**/MF **A01**

Transonic Interactions of Unsteady Vortical Flows.
AD-A152 417/2 14-*530,738* PC **A02**/MF **A01**

Reconstruction of a Three-Dimensional Transonic Rotor Flow Field from Holographical Interferogram Data.
AD-A152 617/7 14-*532,568* PC **A03**/MF **A01**

Navier-Stokes Computational Study of Axisymmetric Transonic Turbulent Flows with a Two-Equation Model of Turbulence.
AD-A152 653/2 14-*532,549* PC **A06**/MF **A01**

Method of Residual Minimization in Compressible Steady Flows.
AD-A153 924/6 16-*536,749* PC **A12**/MF **A01**

Notes on Unsteady Transonic Cascade Flows.
AD-A154 829/6 18-*541,672* PC **A05**/MF **A01**

Design of a Generator for Near-Tangential Transonic Swirling Outflow.
AD-A155 163/9 19-*543,990* PC **A06**/MF **A01**

Transonic Noise Generation by Duct and Profile Flow.
AD-A157 163/7 23-*554,141* PC **A06**/MF **A01**

Compendium of Unsteady Aerodynamic Measurements. Addendum Number 1.
AD-A157 678/4 24-*554,548* PC **A07**/MF **A01**

Transonic Shock Interaction with a Tangentially-Injected Turbulent Boundary Layer,
AD-P004 071/7 03-*505,270* PC **A02**/MF **A01**

Shock/Boundary-Layer Interaction Model for Three-Dimensional Transonic Flow Calculations,
AD-P004 788/6 22-*551,270* PC **A03**/MF **A01**

Navier-Stokes Computations of Transonic Flow Over a Projectile with a Two-Equation Model of Turbulence,
AD-P004 797/7 22-*551,279* PC **A02**/MF **A01**

Flow-Field Measurements on an Airfoil with an Oscillating Trailing-Edge Using Holographic Interferometry.
N84-34430/8 02-*502,781* PC **A07**/MF **A01**

Experimental Study of the Transonic Equivalence Rule with Lift, Part 2.
N85-10004/8 03-*505,273* PC **A03**/MF **A03**

Development and Applications of Algorithms for Calculating the Transonic Flow About Harmonically Oscillating Wings.
N85-10007/1 03-*505,275* PC **A08**/MF **A01**

Transonic Flow Analysis for Rotors. Part 1: Three-Dimensional Quasi-Steady, Full-Potential Calculation.
N85-10914/8 04-*507,878* PC **A05**/MF **A01**

Inverse Design Technique for Cascades.
N85-12008/7 06-*512,650* PC **A03**/MF **A01**

Design of a Basic Airfoil for a Slightly Swept Wing. Part 1: Theoretical Transonic Airfoil Design.
N85-12043/4 06-*512,667* PC **A03**/MF **A01**

Finite Element Method for the Solution of Two-Dimensional Transonic Flows in Cascades.
N85-12045/9 06-*512,656* PC **A03**/MF **A01**

Grenzschichtuntersuchungen im Transonic-Kanal des Eidgenoessisches Flugzwerke, Emmen (Investigations of Boundary Layers in the Emmen Federal Aircraft Works Transonic Tunnel, Switzerland).
N85-12677/5 07-*515,217* PC **A07**/MF **A01**

Vergleichende Stroemungsrechnung an Transsonischen Kegel/Zylinder-Eidhmodellen im Zusammenhang MIT Dem Wandinterferenzproblem (Comparative Flow Calculation on Transonic Cone/Cylinder Standard Models in Connection with the Wall Interference Problem).
N85-12878/3 07-*515,218* PC **A07**/MF **A01**

Local Slot Boundary Condition for Transonic Flow Calculations in Slotted-Wall Test Sections of Wind Tunnels.
N85-12879/1 07-*515,219* PC **A03**/MF **A01**

Untersuchung Zur Verbesserung der Transonic-Kanal-Messstrecke des Eidgenoessisches Flugzwerke, Emmen (Investigation for the Improvement of the Transonic Tunnel Working Section of the Emmen Federal Aircraft Works (Switzerland)).
N85-12904/7 07-*515,221* PC **A04**/MF **A01**

Development of the Code NSFOIL for Analyzing High Reynolds Number Transonic Flow around an Airfoil.
N85-14801/3 09-*518,326* PC **A03**/MF **A01**

Theoretical Design Method for 3-Dimensional Transonic Wings.
N85-14834/4 09-*518,340* PC **A02**/MF **A01**

Comparative Study of the Nonuniqueness Problem of the Potential Equation.
N85-15694/1 10-*520,943* PC **A02**/MF **A01**

Exploratory Study of Finite Difference Grids for Transonic Unsteady Aerodynamics.
N85-15696/6 10-*520,945* PC **A03**/MF **A01**

Vectorizable Multigrid Algorithms for Transonic Flow Calculations.
N85-16827/6 11-*525,355* PC **A05**/MF **A01**

Theoretical Contributions to Transonic Flow Analysis for Transport Aircraft.
N85-16838/3 11-*523,224* PC **A06**/MF **A01**

Analysis of Inviscid Transonic Flow around an Airfoil by Diagonal Form of Iaf Scheme.
N85-18955/3 13-*528,285* PC **A02**/MF **A01**

Effects of Airfoil Shape, Thickness, Camber, and Angle of Attack on Calculated Transonic Unsteady Airloads.
N85-18957/9 13-*528,286* PC **A04**/MF **A01**

Efficient Self-Consistent Viscous-Inviscid Solutions for Unsteady Transonic Flow.
N85-18959/5 13-*530,327* PC **A02**/MF **A01**

Unsteady Transonic Flow Calculations for Two-Dimensional Canard-Wing Configurations with Aeroelastic Applications.
N85-18960/3 13-*528,288* PC **A02**/MF **A01**

Viscous Effects on Transonic Airfoil Stability and Response.
N85-18961/1 13-*528,289* PC **A02**/MF **A01**

Contribution to the Study of a Numerical Implicit Method for Solving the Euler Equations.
N85-19771/3 13-*530,329* PC **A07**/MF **A01**

Reconstruction of a 3-Dimensional Transonic Rotor Flow Field from Holographic Interferogram Data.
N85-21112/6 14-*532,582* PC **A03**/MF **A01**

Transonic Interactions of Unsteady Vortical Flows.
N85-21113/4 14-*532,583* PC **A02**/MF **A01**

Measured Unsteady Transonic Aerodynamic Characteristics of an Elastic Supercritical Wing with an Oscillating Control Surface.
N85-21116/7 14-*530,749* PC **A02**/MF **A01**

Robust Calculation of Three-Dimensional Transonic Potential Flow Based on the Nonlinear Gas Multigrid Method and a Mixed Incomplete Lower Upper Decomposition/Strongly Implicit Procedure (Ilu/Sip) Algorithm.
N85-21593/7 14-*532,589* PC **A02**/MF **A01**

F-14A Aircraft High-Speed Flow Simulations.
N85-23702/2 17-*537,001* PC **A10**/MF **A01**

Calibration of Sonic Valves for the Laminar Flow Control, Leading-Edge Flight Test.
N85-23707/1 17-*539,300* PC **A04**/MF **A01**

Recent Transonic Unsteady Pressure Measurements at the NASA Langley Research Center.
N85-23710/5 17-*537,008* PC **A02**/MF **A01**

Berechnung Einer Instationaeren Transsonischen Stroemung MIT Verdichtungsstoessen und Abloesung in Lavalduesen (Calculation of an Unsteady Transonic Flow with Shock Waves and Separation in Laval Nozzles).
N85-23728/7 17-*539,301* PC **A04**/MF **A01**

Einsatzmoeglichkeiten der Laser-Doppler-Anemimetrie bei der Untersuchung der Transsonischen Wechselwirkung Zwischen Verdichtungsstoss und Grenzschicht (Application Possibilities of Laser Doppler Anemometry in the Investigation of the Transonic Interaction Between Shock Wave and Boundary Layer).
N85-24265/9 17-*538,712* PC **A04**/MF **A01**

Transonic Aerodynamic and Aeroelastic Characteristics of a Variable Sweep Wing.
N85-25203/9 18-*539,648* PC **A02**/MF **A01**

Description of a Computer Program Treating Transonic Steady State Aeroelastic Effects for a Canard or Tail Airplane.
N85-26674/0 19-*542,073* PC **A03**/MF **A01**

Measurements of the Symmetric Aerodynamic Coefficients for Flat Faced Cylinders in the Angle of Attack Regime 0 to 90 Deg for Transonic and Supersonic Speeds.
N85-26875/7 19-*542,074* PC **A10**/MF **A01**

Numerical Solution of Transonic Normal Shock Wave-Boundary Layer Interaction Using the Bohning-Zierop Model.
N85-26683/1 19-*544,002* PC **A03**/MF **A01**

Numerical Study of Porous Airfoils in Transonic Flow.
N85-27828/1 20-*544,479* PC **A02**/MF **A01**

Transonic Mach Number Determination in a Blow-down Wind Tunnel with Solid Walls and a Downstream Throat.
N85-27835/6 20-*545,968* PC **A03**/MF **A01**

Flow Quality of National Aerospace Laboratory Two-Dimensional Transonic Wind Tunnel. Part 3. Flow Turbulence Level and Measuring Method.
N85-28952/8 21-*548,686* PC **A03**/MF **A01**

Inviscid Analysis of Two Supercritical Laminar-Flow-Control Airfoils at Design and Off-Design Conditions.
N85-29920/4 22-*549,275* PC **A02**/MF **A01**

Unsteady Transonic Flow Calculations for Interfering Lifting Surface Configurations.
N85-29931/1 22-*549,281* PC **A02**/MF **A01**

Selected Topics in Experimental Aeroelasticity at the NASA Langley Research Center.
N85-30364/2 22-*549,285* PC **A02**/MF **A01**

Calculation of Transonic Flows around an Aircraft Configuration with Motorized Nacelle.
N85-31008/4 23-*551,875* PC **A02**

Transonic Calculations for a Flexible Supercritical Wing and Comparison with Experiment.
N85-31012/6 23-*551,879* PC **A02**/MF **A01**

Simulations Numeriques d'Ecoulements Potentiels en Regime Transsonique Stationnaire (Numerical Simulation of Potential Flow in Transonic Steady Regimes).
N85-31016/7 23-*551,883* PC **A05**/MF **A01**

Application of Laser Anemometry to the Study of Transonic Shock Boundary-Layer Interactions.
N85-31067/0 23-*551,896* PC **A02**/MF **A01**

Calculation of Transonic Steady and Oscillatory Pressures on a Low Aspect Ratio Model and Comparison with Experiment.
N85-32092/7 24-*554,551* PC **A02**/MF **A01**

Application of Laser Anemometry to the Study of Transonic Shock Boundary-Layer Interactions,
PB85-122224 04-*507,869* PC **E03**/MF **E03**

Exploitation de Calculs Tridimensionnels dans les Compresseurs Transsoniques (Development of Computations of Three Dimensional Flow through Transonic Compressors),
PB85-140903 07-*515,540* PC **E03**/MF **E03**

Calcul de l'Ecoulement Autour d'une Prise d'Air en Differences Finies (Transonic Flow Calculations Obtained by Solving Potential Equation on the Geometry of a Cylindrical Inlet),
PB85-148773 08-*515,734* PC **E04**/MF **E04**

Essais, dans le Domaine Transsonique, de Maquette Motorisee par TPS de 23 cm de Diametre (9 Pouces) dans la Soufflerie S1MA (Test with Powered Nacelle Using TPS Technique (9 inch Diameter) in Transonic Conditions and S1MA Windtunnel),
PB85-148781 08-*515,735* PC **E03**/MF **E03**

Calcul des Ecoulements Internes Decolles et de l'Interaction Choc-Couche Limite pour Couplage Visqueux Non Visqueux (Calculation of Separated Internal Flows and of the Interaction Shock-Boundary Layer for Viscous/Non-Viscous Coupling),
PB85-156586 10-*522,951* PC **E04**/MF **E04**

Simulations Numeriques d'Ecoulements Potentiels en Regime Transsonique Stationnaire (Numerical Simulations of Potential Flows in the Stationary Transonic Range).
PB85-159218 10-*522,960* PC **E05**/MF **E05**

Extension de la Methode des Petites Pertubations Transsoniques Instationnaires Tridimensionnelles au Cas des Voilures Reelles (Extension of the Method of Small Unstable Three-Dimensional Transonic Disturbances to the Case of Actual Wing Assemblies),
PB85-161727 11-*523,230* PC **E04**/MF **E04**

Transonic Small Disturbance Code for Body-Wing Configuration Coupled with Full Potential Code for Wing Alone,
PB85-195618 16-*535,309* PC **E03**/MF **E01**

Calculations of Transonic Flows Around Single and Multi-Element Airfoils on a Small Computer,
PB85-209104 19-*542,079* PC **E04**/MF **E01**

TRANSONIC FLUTTER

Subsonic/Transonic Stall Flutter Investigation of a Rotating Rig.
N84-33417/6 01-*500,042* PC **A14**/MF **A01**

Experimental Study on Transonic Flutter Characteristics of Sweptback Wing with Core Composite Plates Having Different Fiber Orientations.
N85-14842/7 09-*518,329* PC **A02**/MF **A01**

Study of Transonic Flutter of a Two-Dimensional Airfoil Using the U-G and p-K Methods.
N85-21121/7 14-*530,752* PC **A04**/MF **A01**

Selected Topics in Experimental Aeroelasticity at the NASA Langley Research Center.
N85-30364/2 22-*549,285* PC **A02**/MF **A01**

Verification of Calculation Methods for Unsteady Airloads in the Precipitation of Transonic Flutter.
N85-31027/4 23-*551,894* PC **A02**/MF **A01**

TRANSONIC SPEED

Analysis of Unsteady Pressure Measurements on a Supercritical Airfoil with a Harmonically Oscillating Trailing Edge Flap at Subsonic and Transonic Speeds.
N85-27837/2 20-*544,485* PC **A05**/MF **A01**

Flow Quality of National Aerospace Laboratory Two-Dimensional Transonic Wind Tunnel. Part 3. Flow Turbulence Level and Measuring Method.
N85-28952/8 21-*548,686* PC **A03**/MF **A01**

Experimental Investigation of Propfan Installations on an Upswept Supercritical Wing at Transonic Mach Numbers.
N85-31013/4 23-*551,880* PC **A10**/MF **A01**

Development of a Temperature-Compensated Hot-Film Anemometer System for Boundary-Layer Transition Detection on High-Performance Aircraft.
N85-33121/3 26-*560,001* PC **A02**/MF **A01**

TRANSONIC WIND TUNNELS

Mathematical Modeling of the AEDC (Arnold Engineering Development Center) Propulsion Wind Tunnel (16T).
AD-A151 293/8 12-*527,470* PC **A06**/MF **A01**

Data from Tests of a R4 Airfoil in the Langley 0.3-Meter Transonic Cryogenic Tunnel.
N84-33385/5 01-*500,011* PC **A16**/MF **A01**

Design Study of Test Models of Maneuvering Aircraft Configurations for the National Transonic Facility (NTF).
N84-33422/6 01-*501,973* PC **A13**/MF **A01**

Cryogenic Wind Tunnel Technology. A Way to Measurement at Higher Reynolds Numbers.
N84-34451/4 02-*504,485* PC **A03**/MF **A01**

Computations for the 16-Foot Transonic Tunnel, NASA, Langley Research Center.
N85-11009/6 04-*509,860* PC **A09**/MF **A01**

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DE85780379 17-*537,672* PC **A05**/MF **A01**

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PB85-195105 17-*537,705* PC **E03**/MF **E01**

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DE85780926 22-*551,628* PC **A06**/MF **A01**

TUNGSTEN 171

Investigation of the Rotational Nuclei sup 167 , sup 168 Hf and sup 170 , sup 171 W and the Shell-Model Nucleus sup 26 Mg.
DE85780926 22-*551,628* PC **A06**/MF **A01**

TUNGSTEN 182 TARGET

Contribution to the Study of sup 193 Au, sup 194 Hg and sup 198 Hg Compound Nuclei.
DE84780428 01-*502,526* PC **A04**/MF **A01**

TUNGSTEN 184 TARGET

Experimental Determination of Time Components of the Tungsten Nucleus Fission by sup 16 O Ions.
DE84703387 09-*520,387* PC **A02**/MF **A01**

ARC (Average Resonance Capture) Study of sup 185 W and a Test of Supersymmetry in the Deformed Region.
DE85001352 04-*510,291* PC **A02**/MF **A01**

Tests of Supersymmetries with the (N, gamma) Reaction.
DE85003206 08-*517,994* PC **A02**/MF **A01**

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ARC (Average Resonance Capture) Study of sup 185 W and a Test of Supersymmetry in the Deformed Region.
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Boson-Fermion Symmetries in the W-Pt Region.
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TUNGSTEN 186 TARGET

Contribution to the Study of sup 193 Au, sup 194 Hg and sup 198 Hg Compound Nuclei.
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TUNGSTEN 187

Simultaneous Determination of sup 56 Mn and sup 187 W in Neutron Activated Steels.
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AD-A149 843/5 09-*519,378* PC **A06**/MF **A01**

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DE85011758 **21**-*547,759* PC **A06**/MF **A01**

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PB85-218196 **20**-*546,007* PC **A05**/MF **A01**

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DE85012516 **22**-*551,371* PC **A02**/MF **A01**

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PATENT-4 514 143 **24**-*554,584* Not available NTIS

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AD-A147 745/4 **04**-*509,048* PC **A02**/MF **A01**

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PAT-APPL-6-679 974 **07**-*514,868* PC **A02**/MF **A01**

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AD-A148 162/1 **04**-*508,767* PC **A02**/MF **A01**

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AD-A156 362/6 **21**-*547,854* PC **A21**/MF **A01**

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AD-A150 677/3 **11**-*525,594* PC **A03**/MF **A01**

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TURBINE BLADES

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DE85750407 **20**-*545,305* PC **A05**/MF **A01**

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DE85751796 **23**-*552,994* PC **A03**/MF **A01**

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N85-21273/6 **14**-*531,846* PC **A06**/MF **A01**

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N85-24338/4 **17**-*539,621* PC **A02**/MF **A01**

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N85-24339/2 **17**-*539,636* PC **A02**/MF **A01**

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N85-26862/1 **19**-*544,331* PC **A99**/MF **E03**

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N85-27873/7 **20**-*547,160* PC **A02**/MF **A01**

Turbine Blade-Tip Clearance Excitation Forces.
N85-29963/4 **22**-*551,838* PC **A05**/MF **A01**

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Exploratory Development of Advanced Surface Flaw Detection Methods.
AD-A148 757/8 **06**-*514,286* PC **A07**/MF **A01**

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TURBINE ENGINES

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N85-19010/6 13-*530,736* PC **A04**/MF **A01**

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N85-23704/8 17-*537,003* PC **A03**/MF **A01**

Factors Affecting Dwell Times on Digital Displaying.
N85-24722/9 17-*537,357* PC **A03**/MF **A01**

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N85-25210/4 18-*539,654* PC **A06**/MF **A01**

Observations, Theoretical Ideas and Modeling of Turbulent Flows: Past, Present and Future.
N85-27167/4 19-*544,005* PC **A03**/MF **A01**

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N85-28264/8 20-*546,506* PC **A03**/MF **A01**

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N85-30546/4 22-*549,435* PC **A04**/MF **A01**

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N85-31433/4 23-*554,194* PC **A10**/MF **A01**

Progress in the Development of a Two-Fluid Model of Turbulence: A Set of 42 Lecture Panels.
N85-31469/8 23-*554,208* PC **A03**/MF **A01**

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Influence of Turbulence on the Maximum Pressure Generated in Dust Explosions in a Vented 500 cu m Silo Cell,
PB85-111425 02-*504,437* PC **E04**/MF **E01**

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PB85-184356 15-*533,729* PC **A02**/MF **A01**

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PB85-244317 26-*559,983* PC **E04**/MF **E04**

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Scintillometer for Measuring Atmospheric Turbulence.
N84-33785/6 01-*501,976* PC **A04**/MF **A01**

Three-Dimensional Turbulent Separated Flow and Related Measurements.
N85-29181/3 21-*549,025* PC **A02**/MF **A01**

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Studies of Structure and Modeling in Turbulent Shear Flows.
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TURBULENT BOUNDARY LAYER

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AD-A146 679/6 01-*501,957* PC **A02**/MF **A01**

Comparison of Techniques to Measure the Low Wavenumber Wall Pressure Spectrum of a Turbulent Boundary Layer.
AD-A148 074/8 04-*510,194* PC **A09**/MF **A01**

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AD-A149 823/7 10-*521,033* PC **A03**/MF **A01**

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AD-A151 196/9 12-*527,907* PC **A04**/MF **A01**

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AD-A151 571/7 12-*527,917* PC **A08**/MF **A01**

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AD-A152 251/5 13-*530,320* PC **A04**/MF **A01**

Origin of Streamwise Vortices in a Turbulent Boundary Layer.
AD-A153 651/5 16-*536,742* PC **A03**/MF **A01**

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Displacements Generated by a Pressure-Point Advected Across the Surface of a Viscoelastic Material.
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Pressure Cross Spectra in Turbulent Boundary Layers in Water.
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Dowling Wall Pressure-Spectrum Analogy Applied to an Isotropic Two-Layered Elastic Medium.
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Sensitivity to Mean Flow Parameters of the Low Wavenumber Content of the Wall Pressure under a Turbulent Boundary Layer.
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Longitudinal Vortices Imbedded in Turbulent Boundary Layers. Part 1. Single Vortex.
AD-A158 124/8 24-*556,631* PC **A02**/MF **A01**

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AD-A158 552/0 25-*559,407* PC **A03**/MF **A01**

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Transonic Shock Interaction with a Tangentially-Injected Turbulent Boundary Layer,
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AD-P004 172/3 05-*512,418* PC **A02**/MF **A01**

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N85-17322/7 11-*523,227* PC **A05**/MF **A01**

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N85-18007/3 12-*527,922* PC **A06**/MF **A01**

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Flight-Measured Laminar Boundary-Layer Transition Phenomena Including Stability Theory Analysis.
N85-21118/3 14-*530,750* PC **A03**/MF **A01**

Thermodynamic Evaluation of Transonic Compressor Rotors Using the Finite Volume Approach.
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N85-27169/0 19-*544,006* PC **A02**/MF **A01**

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Numerical Simulation of Unsteady Motion in a Turbulent Mixing Layer.
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Transition in Turbines.
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Application of a Hairpin Vortex Model of Wall Turbulence to Trailing Edge Noise Prediction.
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Marine Boundary Layer, from Air-Sea Interface to Inversion.
PB85-188274 17-*537,776* PC **A05**/MF **A01**

TURBULENT CONVECTING FLOW

Turbulent Convecting Flow in a Square Duct with a 180 deg Bend: An Experimental and Numerical Study.
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TURBULENT DIFFUSION

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Ionospheric Turbulence: Interchange Instabilities and Chaotic Fluid Behavior.
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Free Shear Layer Prediction of the Turbulent Wake of a Flat Plate Towed Below a Free Surface.
AD-A148 699/2 06-*514,073* PC **A02**/MF **A01**

Large Eddy Simulation of Turbulent Flow in Channels with Wavy Walls Including Both Compliant Walls and Walls with Prescribed Motion.
AD-A149 203/2 08-*517,759* PC **A07**/MF **A01**

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AD-A149 657/9 09-*520,193* PC **A02**/MF **A01**

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AD-A149 969/8 09-*520,197* PC **A23**/MF **A01**

Coherent Structures in Turbulent Flames.
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AD-A151 045/2 11-*525,661* PC **A05**/MF **A01**

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AD-A151 838/0 13-*530,312* PC **A05**/MF **A01**

Dynamic Response of Fluid Transmission Lines.
AD-A151 926/3 13-*529,726* PC **A07**/MF **A01**

Computation of Velocity and Pressure Variation across Axisymmetric Thick Turbulent Stern Flows.
AD-A152 331/5 14-*532,567* PC **A03**/MF **A01**

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AD-A152 653/2 14-*532,549* PC **A06**/MF **A01**

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AD-A153 682/0 16-*536,950* PC **A10**/MF **A01**

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Displacements Generated by a Pressure-Point Advected Across the Surface of a Viscoelastic Material.
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AD-A154 413/9 17-*539,500* PC **A05**/MF **A01**

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AD-A154 604/3 18-*541,664* PC **A08**/MF **A01**

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AD-A157 078/7 23-*554,183* PC **A04**/MF **A01**

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3. The Effect of Plane Strain on the Dynamics of Streamwise Vortices.
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AD-P004 787/8 22-*551,269* PC **A02**/MF **A01**

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N85-10306/7 03-*507,310* PC **A02**/MF **A01**

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N85-21167/0 14-*532,844* PC **A09**/MF **A01**

Application of Large Eddy Interaction Model to Channel Flow.
N85-21572/1 14-*532,585* PC **A03**/MF **A01**

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N85-25212/0 18-*539,655* PC **A05**/MF **A01**

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Observations, Theoretical Ideas and Modeling of Turbulent Flows: Past, Present and Future.
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Decay of a Coherent Scalar Disturbance in a Turbulent Flow.
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N85-30245/3 22-*551,300* PC **A04**/MF **A01**

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Progress in the Development of a Two-Fluid Model of Turbulence: A Set of 42 Lecture Panels.
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Optimization of a Numerical Method to Calculate Elliptic Flows.
N85-31472/2 23-*554,210* PC **A03**/MF **A01**

Application of a Hairpin Vortex Model of Wall Turbulence to Trailing Edge Noise Prediction.
N85-33109/8 26-*559,979* PC **A04**/MF **A01**

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PB85-132405 05-*511,361* PC **E05**/MF **E01**

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Untersuchung der Turbulenten Abgeloesten Stroemung Hinter Einem Spoiler (Investigation of Separated Turbulent Flow behind a Spoiler),
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Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

Feasibility Study of a Fission-Suppressed Tokamak Fusion Breeder.
DE85009099 **17**-*538,831* PC **A11**/MF **A01**

Prompt Neutron Fission Spectrum Mean Energies for the Fissile Nuclides and sup 252 Cf.
DE85012181 **24**-*556,783* PC **A02**/MF **A01**

Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Helium-Cooled Molten-Salt Fusion Breeder.
DE85012833 **22**-*550,986* PC **A10**/MF **A01**

Nuclear Performance Optimization of the Be/Li/Th Blanket for the Fusion Breeder.
DE85012949 **22**-*551,001* PC **A02**/MF **A01**

Comparison of the U-233 Dog Data of Stevens et al. With Uranium Retention Functions in ICRP Publication 30 and a 3-Compartment Mammillary Model for Uranium.
DE85016369 **26**-*560,395* PC **A02**/MF **A01**

In-Beam Study of the Rotational States in Actinides after alpha-Induced Nuclear Reactions.
DE85780843 **17**-*539,415* PC **A05**/MF **A01**

URANIUM 233 TARGET

Measurement of Space-Odd Asymmetry Coefficient of Fragment Divergence in the Uranium 233 Fission by Thermal Neutrons.
DE84702865 **11**-*525,431* PC **A02**/MF **A01**

Effective Fragments from the Uranium-233 and Thorium-232 Fission.
DE84703382 **09**-*520,392* PC **A02**/MF **A01**

Absolute Measurements of Neutron Cross Sections. Progress Report.
DE85003221 **08**-*517,996* PC **A02**/MF **A01**

Least Squares Fit of Thermal Data for Fissile Nuclei.
DE85004712 **11**-*525,455* PC **A02**/MF **A01**

Reevaluation of the Average Prompt Neutron Emission Multiplicity (Nubar) Values from Fission of Uranium and Transuranium Nuclides.
DE85005130 **11**-*525,470* PC **A02**/MF **A01**

Measurement of the Energy Dependence of Prompt Fission Neutron Emission from sup 233 U, sup 235 U, and sup 239 Pu for E = 0.0005 to 10 MeV Relative to Emission from Spontaneous Fission of sup 252 Cf.
DE85011931 **22**-*551,518* PC **A02**/MF **A01**

Mean Fission Neutron Spectrum Energies for sup 252 Cf and Fissile Nuclides, sup 233 U, sup 235 U, sup 239 Pu and sup 241 Pu.
DE85013298 **22**-*551,559* PC **A02**/MF **A01**

Evolution of the Nucleus-Nucleus Interaction in the Transition Energy Region.
DE85751063 **19**-*544,202* PC **A02**/MF **A01**

URANIUM 234

Uranium Content in Surface Air in Vienna During the Years 1963/64 and 1974 - 1978.
DE84703133 **08**-*517,572* PC **A02**/MF **A01**

Uranium Series Disequilibrium Measurements at MOL and Whiteshell. Annual Progress Report for 1983.
DE84703170 **08**-*517,502* PC **A02**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

Continuous Vent Sampler for Monitoring Radionuclide Emissions.
DE85003686 **09**-*520,072* PC **A02**/MF **A01**

Final Results of the Internal sup 235 U Sample Intercomparison and the Half-Life of sup 234 U.
DE85005049 **11**-*525,468* PC **A02**/MF **A01**

U, Th, and Ra Concentrations in Brines from Four Deep Wells in the Palo Duro Basin, Texas: Unanalyzed Data.
DE85006906 **12**-*527,820* PC **A02**/MF **A01**

Environmental Monitoring at Argonne National Laboratory. Annual Report for 1984.
DE85010613 **18**-*541,576* PC **A06**/MF **A01**

Cycling of Transuranic Radionuclides in the Columbia River, Its Estuary and the Northeast Pacific Ocean. Progress Report, January-December 1984.
DE85011485 **19**-*543,907* PC **A02**/MF **A01**

Chemical Shifts of sup 235 U and sup 234 U Neutron Resonances.
DE85700090 **09**-*520,526* PC **A02**/MF **A01**

Uranium Disequilibrium Investigation of the Las Cruces East Mesa Geothermal Field.
DE85901213 **14**-*531,765* PC **A04**/MF **A01**

URANIUM 234 TARGET

Mass Dependence of the p-Odd-Angular Asymmetry in Nuclear Fission by Thermal Polarized Neutrons.
DE84702289 **03**-*507,493* PC **A02**/MF **A01**

Results of Coupled Channels Calculations for the Neutron Cross Sections of a Set of Actinide Nuclei.
DE85700149 **20**-*546,656* PC **A06**/MF **A01**

URANIUM 235

Development of a Neutron Evaporation Theory Code for the Thermal Fission of Uranium-235.
AD-A156 593/6 **22**-*551,508* PC **A06**/MF **A01**

Gas Centrifuge Bibliography 1980-1982.
DE84702024 **09**-*520,127* PC **A03**/MF **A01**

Monitoring the sup 235 U Enrichment of Uranium Deposited on Pipes in Centrifuge Plants Operating at Low Pressures Using a High Resolution gamma-Ray Spectrometer.
DE84702576 **06**-*512,356* PC **A03**/MF **A01**

Uranium Content in Surface Air in Vienna During the Years 1963/64 and 1974 - 1978.
DE84703133 **08**-*517,572* PC **A02**/MF **A01**

Results of Research and Development Works of the Institute for Nuclear Engineering (Kernforschungszentrum Karlsruhe G.m.b.H., Federal Republic of Germany) in 1982.
DE84751821 **03**-*506,966* PC **A02**/MF **A01**

Minimization of Separative Power Losses of a Separation Nozzle Plant with Double Deflection Systems for Enrichment of Uranium-235 by Appropriate Operation.
DE84752250 **11**-*525,010* PC **A05**/MF **A01**

Contribution to the Future Prospect of Uranium Laser-Isotope Separation.
DE84780311 **01**-*502,140* PC **A07**/MF **A01**

Study of Conversion Related to the Effects of Chemical Environment of an Atom.
DE84780472 **01**-*502,535* PC **A04**/MF **A01**

IAEA Consultants' Meeting on the U-235 Fast-Neutron Fission Cross-Section, and the Cf-252 Fission Neutron Spectrum, Smolenice, Czechoslovakia, 28 March-1 April 1983.
DE84780535 **03**-*507,601* PC **A12**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

Final Results of the Internal sup 235 U Sample Intercomparison and the Half-Life of sup 234 U.
DE85005049 **11**-*525,468* PC **A02**/MF **A01**

Review of PGDP Assessment of Criticality Safety Problems in Increasing Product Assay to 5 Wt % sup 235 U.
DE85008765 **15**-*534,565* PC **A03**/MF **A01**

Environmental Monitoring at Argonne National Laboratory. Annual Report for 1984.
DE85010613 **18**-*541,576* PC **A06**/MF **A01**

Technology for Increasing the Uranium-235 Isotopic Abundance in Natural Uranium Feed on a Productive Scale.
DE85011252 **18**-*541,486* PC **A03**/MF **A01**

Results from Uranium Deposition Studies for Development of a Limited Frequency-Unannounced Access (LFUA) Inspection Strategy for Gas Centrifuge Enrichment Plants.
DE85012096 **23**-*553,819* PC **A02**/MF **A01**

Prompt Neutron Fission Spectrum Mean Energies for the Fissile Nuclides and sup 252 Cf.
DE85012181 **24**-*556,783* PC **A02**/MF **A01**

Measurement of Uranium Enrichment for Gaseous Uranium at Low Pressure.
DE85012697 **21**-*548,842* PC **A02**/MF **A01**

Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Application of Evaluated Fission-Product Delayed-Neutron Precursor Data in Reactor Kinetics Calculations.
DE85012726 **20**-*546,453* PC **A02**/MF **A01**

Experience with Confirmation Measurement at Los Alamos.
DE85015742 **25**-*559,308* PC **A02**/MF **A01**

Confirmatory Measurements of UF sub 6 Using the Neutron Self-Interrogation Method.
DE85015752 **26**-*561,380* PC **A02**/MF **A01**

Application of the Limited Frequency-Unannounced Access Strategy Measurement Technology in Gas Centrifuge Enrichment Plants.
DE85015802 **26**-*561,416* PC **A02**/MF **A01**

Real-Time Fluid Flow Model for Control of Solidification.
DE85016286 **26**-*561,381* PC **A02**/MF **A01**

Uranium Isotope Fractionation Resulting from UF sub 6 Vapor Distillation from Containers.
DE85016924 **25**-*558,950* PC **A02**/MF **A01**

Chemical Shifts of sup 235 U and sup 234 U Neutron Resonances.
DE85700090 **09**-*520,526* PC **A02**/MF **A01**

Consideration on Laser Enrichment Module. Module Characteristics from the Viewpoint of Energy Consumption.
DE85700903 **20**-*546,113* PC **A05**/MF **A01**

Measurements of Uranium Enrichment by Four Techniques of gamma-Ray Spectrometry.
DE85701099 **24**-*556,532* PC **A03**/MF **A01**

Laser Spectroscopy of U and UF sub 6.
DE85701604 **25**-*558,954* PC **A03**/MF **A01**

Change of the Conversion Rate of E3 Isomer of Sup(235M)U (76.8 EV, 1/2 exp + Yields 7/2 exp -) Versus Variation of Valent Zone Configuration of Atomic Shell.
DE85701835 **26**-*561,620* PC **A02**/MF **A01**

Laser Isotopic Separation. Performance Estimation.
DE85752059 **26**-*561,384* PC **A02**/MF **A01**

Test of the Precision and Accuracy of the Isotopic Analysis of High Enriched Uranium in BISO-Particles.
DE85780758 **17**-*537,687* PC **A02**/MF **A01**

Centrifuge Process for Uranium Enrichment.
DE85900010 **08**-*517,448* MF **A01**

Radiochemistry Programme (Reactor Research Centre, Kalpakkam, India). Progress Report, 1980-1981.
DE85900960 **22**-*550,050* PC **A07**/MF **A01**

Measurement of the (235)U Mass in a Large Volume Multiplated Fission Ionization Chamber.
PB85-140663 **06**-*513,996* Not available NTIS

Uranium-235 Measurement in Waste Material by Resonance Neutron Radiography.
PB85-183333 **15**-*534,640* Not available NTIS

Calibration for Measurements with Background Correction Applied to Uranium-235 Enrichment.
PB85-197606 **17**-*538,688* Not available NTIS

URANIUM 235 TARGET

Angular Distribution of Oriented Nucleus Fission Neutrons.
DE84702264 **03**-*507,489* PC **A03**/MF **A01**

Measurement of the Total Cross Section for sup 235 U and sup 238 U Photofission in the delta -Resonance Region.
DE84752293 **11**-*525,435* PC **A02**/MF **A01**

Least Squares Fit of Thermal Data for Fissile Nuclei.
DE85004712 **11**-*525,455* PC **A02**/MF **A01**

Reevaluation of the Average Prompt Neutron Emission Multiplicity (Nubar) Values from Fission of Uranium and Transuranium Nuclides.
DE85005130 **11**-*525,470* PC **A02**/MF **A01**

Measurement of the Energy Dependence of Prompt Fission Neutron Emission from sup 233 U, sup 235 U, and sup 239 Pu for E = 0.0005 to 10 MeV Relative to Emission from Spontaneous Fission of sup 252 Cf.
DE85011931 **22**-*551,518* PC **A02**/MF **A01**

Mean Fission Neutron Spectrum Energies for sup 252 Cf and Fissile Nuclides, sup 233 U, sup 235 U, sup 239 Pu and sup 241 Pu.
DE85013298 **22**-*551,559* PC **A02**/MF **A01**

Neutron Scattering Studies in the Actinide Region. Progress Report, July 2, 1984-July 30, 1985.
DE85017166 **26**-*561,809* PC **A03**/MF **A01**

Light Charged Particles Emission Probability Measurements in Uranium 235 Fission Induced by Thermal Neutrons.
DE85750545 **15**-*534,923* PC **A05**/MF **A01**

Study of Fission Mechanism with the Reactions sup 230 Th, sup 231 Pa, sup 235 U, sup 237 Np(N,F) and sup 252 Cf(Sf).
DE85751025 **19**-*544,170* PC **A19**/MF **A01**

URANIUM 236

Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Conditions in a Scission Point and Kinetic Energies of Nuclear Fission Fragments.
DE85700697 **20**-*546,706* PC **A02**/MF **A01**

Study of the Electromagnetic Properties of Vibrational Bands in sup 230 Th, sup 232 Th, sup 236 U, and sup 238 U by Means of Coulomb Excitation.
DE85780842 **17**-*539,414* PC **A06**/MF **A01**

URANIUM 236 TARGET

Study of the Electromagnetic Properties of Vibrational Bands in sup 230 Th, sup 232 Th, sup 236 U, and sup 238 U by Means of Coulomb Excitation.
DE85780842 **17**-*539,414* PC **A06**/MF **A01**

URANIUM 237

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

URANIUM 238

Uranium Content in Surface Air in Vienna During the Years 1963/64 and 1974 - 1978.
DE84703133 **08**-*517,572* PC **A02**/MF **A01**

Uranium Series Disequilibrium Measurements at MOL and Whiteshell. Annual Progress Report for 1983.
DE84703170 **08**-*517,502* PC **A02**/MF **A01**

Structure of Giant Nuclear Molecules.
DE84751617 **09**-*520,413* PC **A02**/MF **A01**

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DE85000005 **07**-*515,422* PC **A04**/MF **A01**

Resolved-Resonance Neutron Widths from a Consistent Reanalysis of the Most Recent sup 238 U Transmission Data.
DE85000942 **08**-*517,692* PC **A02**/MF **A01**

Actinide Half-Lives as Standards for Nuclear Data Measurements: Current Status.
DE85003255 **09**-*520,478* PC **A02**/MF **A01**

U, Th, and Ra Concentrations in Brines from Four Deep Wells in the Palo Duro Basin, Texas: Unanalyzed Data.
DE85006906 **12**-*527,820* PC **A02**/MF **A01**

Cycling of Transuranic Radionuclides in the Columbia River, Its Estuary and the Northeast Pacific Ocean. Progress Report, January-December 1984.
DE85011485 **19**-*543,907* PC **A02**/MF **A01**

Delayed Neutron Spectra and Intensities from Evaluated Precursor Data.
DE85012700 **22**-*551,542* PC **A02**/MF **A01**

Uranium Isotope Fractionation Resulting from UF sub 6 Vapor Distillation from Containers.
DE85016924 **25**-*558,950* PC **A02**/MF **A01**

Splitting of Isoscalar Giant Resonances in Actinide Nuclei.
DE85700569 **18**-*541,787* PC **A02**/MF **A01**

Coincident-Inclusive Electrofission Angular Correlations.
DE85700573 **18**-*541,791* PC **A03**/MF **A01**

Space and Energy Dependence of Uranium 238 Resonance Capture Rate in a Heterogeneous Lattice.
DE85751200 **25**-*559,345* PC **A03**/MF **A01**

Study of the Electromagnetic Properties of Vibrational Bands in sup 230 Th, sup 232 Th, sup 236 U, and sup 238 U by Means of Coulomb Excitation.
DE85780842 **17**-*539,414* PC **A06**/MF **A01**

Centrifuge Process for Uranium Enrichment.
DE85900010 **08**-*517,448* MF **A01**

Radiochemistry Programme (Reactor Research Centre, Kalpakkam, India). Progress Report, 1980-1981.
DE85900960 **22**-*550,050* PC **A07**/MF **A01**

Uranium Disequilibrium Investigation of the Las Cruces East Mesa Geothermal Field.
DE85901213 **14**-*531,765* PC **A04**/MF **A01**

URANIUM 238 REACTIONS

Quasi Fission - the Mass Drift Mode in Heavy Ion Reactions.
DE85750514 **15**-*534,904* PC **A04**/MF **A01**

Structure Effects in sup 238 U-Induced Dissipative Collisions.
DE85752012 **25**-*559,629* PC **A02**/MF **A01**

URANIUM 238 TARGET

Studies of Heavy Ion Reactions and Transuranic Nuclei. Progress Report, August 1, 1983-August 31, 1984.
DE84016629 **02**-*504,974* PC **A21**/MF **A01**

Neutron Scattering on Deformed Nuclei.
DE84017049 **02**-*504,988* PC **A02**/MF **A01**

Particle Exchange as the Dissipative Mechanism in Nucleus-Nucleus Collisions.
DE84752292 **20**-*546,636* PC **A02**/MF **A01**

Measurement of the Total Cross Section for sup 235 U and sup 238 U Photofission in the delta -Resonance Region.
DE84752293 **11**-*525,435* PC **A02**/MF **A01**

Study of the Giant Dipole Resonance by Nuclear Resonance Fluorescence Below the Particle Threshold.
DE84780566 **09**-*520,455* PC **A05**/MF **A01**

Absolute Measurements of Neutron Cross Sections. Progress Report.
DE85003221 **08**-*517,896* PC **A02**/MF **A01**

Determination of the Rate of Energy Partition in Deeply Inelastic Collisions.
DE85007815 **13**-*530,445* PC **A02**/MF **A01**

Reaction Mechanism Studies of Heavy Ion Induced Nuclear Reactions. Annual Progress Report.
DE85014729 **24**-*556,840* PC **A04**/MF **A01**

Neutron Scattering Studies in the Actinide Region. Progress Report, July 2, 1984-July 30, 1985.
DE85017166 **26**-*561,809* PC **A03**/MF **A01**

Results of Coupled Channels Calculations for the Neutron Cross Sections of a Set of Actinide Nuclei.
DE85700149 **20**-*546,656* PC **A06**/MF **A01**

Evaluation of Neutron-Induced Reactions in sup 48 Ti and sup 238 U. Preliminary Results.
DE85700184 **09**-*520,580* PC **A03**/MF **A01**

Cluster Approach to Intranuclear Cascade for Relativistic Heavy Ion Collisions.
DE85700555 **18**-*541,774* PC **A02**/MF **A01**

Fission Following Carbon Interactions on Gold and Uranium Between 30 and 84 MeV/U.
DE85751243 **24**-*556,870* PC **A02**/MF **A01**

Characteristics of Violent Collisions in Ar-Induced Reactions at Intermediate Energies.
DE85752039 **26**-*561,862* PC **A02**/MF **A01**

Cooperative Production of Neutral Pions and High-Energy Photons in Nucleus-Nucleus Collisions at 60-84 MeV/U.
DE85752135 **26**-*561,880* PC **A06**/MF **A01**

Dynamic Properties of the Coulomb Fission.
DE85780378 **15**-*534,985* PC **A06**/MF **A01**

Study of the Electromagnetic Properties of Vibrational Bands in sup 230 Th, sup 232 Th, sup 236 U, and sup 238 U by Means of Coulomb Excitation.
DE85780842 **17**-*539,414* PC **A06**/MF **A01**

URANIUM ALLOYS

Phase Stability and Magnetic Properties of UAl sub 2 Based Pseudobinary Spin Fluctuation Compounds.
DE85005317 **11**-*525,630* PC **A06**/MF **A01**

Beta-to-alpha Phase Transformation in a Uranium Alloy.
DE85006179 **11**-*524,488* PC **A03**/MF **A01**

Neutron Scattering Study of the Heavy Fermion System UBe sub 13.
DE85010955 **18**-*541,657* PC **A02**/MF **A01**

Ultrasonic Attenuation in Clean Anisotropic Superconductors.
DE85012178 **22**-*551,770* PC **A02**/MF **A01**

Systematics of F-Electron Hybridization in Heavy Fermion Compounds.
DE85013880 **22**-*551,775* PC **A02**/MF **A01**

Magnetic Properties and Electronic Structure of the Actinide Systems UAl sub 2 , NpAl sub 2 , and PuAl sub 2.
DE85014102 **24**-*557,020* PC **A02**/MF **A01**

Itinerant F-Electron Behavior in Ce and U Compounds.
DE85014961 **25**-*559,793* PC **A02**/MF **A01**

Analysis of the Series of Moderately Heavy Fermion Materials: CeSn sub 3 , USn sub 3 , and NpSn sub 3.
DE85014973 **24**-*557,033* PC **A02**/MF **A01**

Spectrographic Determination of Niobium in Uranium - Niobium Alloys.
DE85780195 **10**-*522,126* PC **A02**/MF **A01**

Effect of Strain Rate and Temperature on the Tensile Behaviour of Uranium 2 (sup w)/o Molybenum.
PB85-139830 **07**-*515,002* PC **E03**/MF **E03**

Effect of Quenching Rate on the Temperature and Strain-Rate Sensitivity of Uranium 2W/o Molybdenum Alloy.
PB85-229540 **23**-*553,173* PC **E03**/MF **E03**

URANIUM-ALPHA

Impurity Diffusion in Uranium-Manganese Diffusion.
DE85700709 **22**-*530,452* PC **A02**/MF **A01**

URANIUM ARSENIDE PHOSPHIDES

Heat Capacity Study of ThP and Solid Solution UP sub(0.5) As sub(0.5).
DE85750919 **17**-*539,485* PC **A02**/MF **A01**

URANIUM ARSENIDES

Itinerant F-Electron Behavior in Ce and U Compounds.
DE85014961 **25**-*559,793* PC **A02**/MF **A01**

URANIUM BASE ALLOYS

NDT For Uranium Alloys.
DE83004583 **24**-*555,739* PC **A02**/MF **A01**

Using a Data-Base Management System to Characterize a Manufacturing Process.
DE85000045 **04**-*509,766* PC **A03**/MF **A01**

Thermodynamic Properties of gamma-Uranium in the Formation of Solid Solutions with alpha-Transition Metals.
DE85000239 **04**-*509,408* PC **A02**/MF **A01**

Corrosion Resistance of Zinc Coatings on Depleted Uranium and Uranium Alloys.
DE85007216 **12**-*527,115* PC **A02**/MF **A01**

Shape Memory Effect in Uranium-Niobium Alloys Below Room Temperature. Final Report.
DE85012984 **20**-*545,507* PC **A03**/MF **A01**

Experimental Attempt to Achieve Microstructure Variations Through Temperature/Time Permutations for a Nonwrought Powder Metallurgy Uranium-6 Niobium Alloy.
DE85013166 **20**-*545,508* PC **A02**/MF **A01**

Hydrostatic Extrusion of Amorphous Fe sub 82 B sub 12 Si sub 6 and U sub 70 Cr sub 30.
DE85014801 **24**-*555,763* PC **A02**/MF **A01**

Mossbauer Effect and Neutron Diffraction Study of the Anomalous Lattice Behavior of U sub 6 Fe.
DE85014912 **24**-*557,032* PC **A02**/MF **A01**

X-Ray Diffraction Study of Reversible Deformation Mechanisms in the Aged Uranium-6.5 Niobium Alloy.
DE85015049 **25**-*558,426* PC **A02**/MF **A01**

Vacuum Arc Remelting: An Overview.
DE85016458 **26**-*560,924* PC **A03**/MF **A01**

Effect of Strain Rate and Temperature on the Tensile Behaviour of Uranium - 2SUP(W)/O Molybdenum.
DE85701455 **24**-*555,779* PC **A02**/MF **A01**

Effect of Cooling Rate from the gamma -Phase on the Strain-Rate Sensitivity of a Uranium 2 Sup(W)/O Molybdenum Alloy.
DE85701456 **24**-*555,780* PC **A04**/MF **A01**

Enbrittlement of the U-7,5 Nb-2,5 Zr Uranium Alloy in Gaseous Environments.
DE85751941 **25**-*558,451* PC **A14**/MF **A01**

Elastic-Plastic Waves in UV 0.2 Uranium Alloy.
DE85752078 **26**-*560,943* PC **A02**/MF **A01**

URANIUM-BETA

Impurity Diffusion in Uranium-Manganese Diffusion.
DE85700709 **22**-*550,452* PC **A02**/MF **A01**

URANIUM CARBIDES

Irradiation Effects on Fuels for Space Reactors.
DE84016460 **10**-*522,892* PC **A03**/MF **A01**

URANIUM CARBONATES

Actinide Solution Equilibria and Solubilities in Geologic Systems.
DE85701275 **23**-*553,983* PC **A04**/MF **A01**

URANIUM COMPLEXES

Methyltrihydroborate Complexes of the Lanthanides and Actinides.
DE85005156 **11**-*524,003* PC **A06**/MF **A01**

Preparations and Mechanism of Hydrolysis of ((8)Annulene)Actinide Compounds.
DE85017656 **26**-*560,504* PC **A08**/MF **A01**

Conformational Study of Aromatic Ketones: Chemical Shift Reagents: Uranium Chelates.
DE85780703 **17**-*537,684* PC **A05**/MF **A01**

URANIUM COMPOUNDS

Spectroscopic and Electrochemical Studies of Selected Lanthanides and Actinides in Concentrated Aqueous Carbonate and Carbonate-Hydroxide Solutions and in Molten Dimethyl Sulfone.
DE85006381 **12**-*526,683* PC **A09**/MF **A01**

Elemental Composition of Airborne Particulates in Uranium Mining and Milling Operations.
DE85006907 **13**-*529,085* PC **A02**/MF **A01**

Specific Heat of the U and Th Oxychalcogenides ANOY (AN= U, Th; Y= S, Se).
DE85750920 **17**-*539,486* PC **A02**/MF **A01**

URANIUM CONCENTRATES

Mining-Metallurgical Projects for the Production of Uranium Concentrates.
DE84703129 **09**-*519,008* PC **A14**/MF **A01**

Filtration. Laboratory Investigations.
DE84780515 **04**-*506,990* PC **A03**/MF **A01**

X-Ray Fluorescence Analysis of Uranium Concentrates.
DE85013189 **21**-*547,766* PC **A03**/MF **A01**

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DE85781242 **23**-*552,130* PC **A02**/MF **A01**

URANIUM DEPOSITS

Uranium Prospecting Activities in Brazil from 1966 to 1970.
CNEN-DExM-B-3 **20**-*545,130* PC **A05**/MF **A01**

Airborne gamma-Ray Spectrometer and Magnetometer Survey: Eureka Quadrangle, California. Final Report.
DE82005567 **24**-*555,411* PC **A06**/MF **A01**

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DE82014194 **24**-*555,415* PC **A13**/MF **A01**

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DE84011695 **03**-*506,248* PC **A08**/MF **A01**

Introduction to the Problems of Uranium Analysis.
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PB85-195121 **17**-*537,506* PC **A04**/MF **A01**

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WAVE AMPLIFICATION

Microwave Tubes: Literature Survey No. 5 Comprising Year 1983.
N85-25739/2 18-*540,558* PC **A08**/MF **A01**

WAVE ANALYZERS

Speech Analysis/Synthesis Based on a Sinusoidal Representation.
AD-A157 023/3 22-*550,929* PC **A03**/MF **A01**

Magnetostatic Wave Frequency Analyzer Apparatus.
PAT-APPL-6-627 699 01-*501,984* PC **A02**/MF **A01**

Josephson Sampler,
PB85-108413
03-*506,819*
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WAVE DISPERSION

Method of Solving the Dispersion Equation for Electrostatic Electron Waves in Magnetized Plasma.
N85-27697/0 19-*544,236* PC **A03**/MF **A01**

WAVE DRAG

Investigation of Vortex-Induced Aerodynamic Characteristics of Supersonic Cruise Configurations.
N85-15690/9 10-*520,940* PC **A02**/MF **A01**

WAVE ENERGY CONVERTERS

Ocean Energy Systems.
DE85008378 17-*538,036* PC **A03**/MF **A01**

Ocean Energy Technology Program Summary.
DE85013102 22-*550,343* PC **A02**/MF **A01**

Wave Energy - Basis for Planning of EFUD 84.
DE85750445 20-*545,311* PC **A02**/MF **A01**

Use of Wave Energy for the Production of Electric Power in Sweden.
DE85750448 20-*545,413* PC **A04**/MF **A01**

Cage Rotor Induction Machine with Controllable Power Factor.
DE85750829 22-*550,350* PC **A03**/MF **A01**

Model Tank Tests to Improve the Output of the Wave Power Generator.
DE85900529 10-*522,034* PC **A02**

WAVE EQUATIONS

Resonant Modal Interactions and Adiabatic Invariance for a Nonlinear Wave Equation in a Variable Domain.
AD-A145 852/0 01-*501,615* PC **A04**/MF **A01**

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AD-A146 538/4 01-*502,333* PC **A15**/MF **A01**

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AD-A147 300/8 03-*506,500* PC **A02**/MF **A01**

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AD-A149 599/3 09-*519,430* PC **A03**/MF **A01**

Progress Report, Grant AFOSR-84-0365.
AD-A151 100/5 12-*527,163* PC **A02**/MF **A01**

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AD-A151 450/4 12-*527,912* PC **A05**/MF **A01**

Kirchhoff Modeling via Wave Equation Datuming.
AD-A152 399/2 14-*532,557* PC **A03**/MF **A01**

Internal Symmetry Group of the Wave Equation Defined by the External Differential Operator.
DE84702465 01-*502,584* PC **A02**/MF **A01**

Hamiltonian Structures and Conservation Laws of Nonlinear Wave Equations. Lax Equations. Laws of Conservation and Deformation of Basic Structures.
DE85700618 20-*546,662* PC **A03**/MF **A01**

Conformally Invariant Equation for the Symmetric Tensor Field.
DE85700983 22-*551,724* PC **A02**/MF **A01**

High Order Difference Schemes with Reduced Dispersion for Hyperbolic Differential Equations.
N85-20293/5 14-*531,930* PC **A03**/MF **A01**

Well-Posedness of One-Way Wave Equations and Absorbing Boundary Conditions.
N85-30727/0 22-*550,529* PC **A02**/MF **A01**

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N85-31443/3 23-*554,145* PC **A03**/MF **A01**

Wave Propagation and Methods of Solution of the Wave Equation for Moving Disturbances Sources.
N85-31906/9 23-*554,288* PC **A04**/MF **A01**

Control of Wave Processes with Distributed Controls Supported on a Subregion.
PB85-108751 02-*504,137* Not available NTIS

WAVE EXCITATION

Etude du Couplage Entre Champs Moyen, Coherent et Turbulent dans UN Jet, Libre Rond Excite (Study of the Coupling between Average, Coherent and Turbulent Fields in a Circular Excited Free Jet).
N85-27184/9 19-*544,009* PC **A12**/MF **A01**

WAVE FORCES

High Reynolds Number Wave Force Investigation in a Wave Flume.
AD-A157 722/0 24-*556,615* PC **A10**/MF **A01**

WAVE FORMS

Josephson Sampler,
PB85-108413
03-*506,819*
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WAVE FRONT RECONSTRUCTION

Methods for Design Aerodynamics of Modern Transport Aircraft.
N85-27838/0 20-*544,486* PC **A04**/MF **A01**

WAVE FUNCTIONS

Evolution Kernel for the Pion Wave Function: Two-Loop Calculation in the Feynman Gauge.
DE85700668 20-*546,681* PC **A02**/MF **A01**

Oscillator Strengths for OII Ions.
N85-13558/0 07-*514,706* PC **A02**/MF **A01**

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N85-31414/4 23-*552,756* PC **A06**/MF **A01**

WAVE GENERATION

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N85-32087/7 23-*552,026* PC **A03**/MF **A01**

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Analytical and Numerical Study of the Interaction of Rarefaction Waves with Area Changes in Ducts. Part 2. Area Enlargements.
N85-24242/8 17-*539,303* PC **A04**/MF **A01**

Wave/Particle Interactions in the Plasma Sheet.
N85-32072/9 23-*552,024* PC **A02**/MF **A01**

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Strategy for Time Dependent Quantum Mechanical Calculations Using a Gaussian Wave Packet Representation of the Wave Function.
AD-A152 709/2 14-*532,682* PC **A04**/MF **A01**

Examination of the Use of Wave Packets for the Calculation of Atom Diffraction by Surface.
AD-A152 760/5 15-*533,460* PC **A03**/MF **A01**

CASSCF (Complete Active Space Self Consistent Field) - Wave Packet AB initio Prediction of Electronic and Vibrational Spectra: Application to the (A(to the Second Power Pi) reversible reaction X (to the Second Power Sigma (+))) Absorption of C(2)H at 3000K,
AD-A155 769/3 21-*547,738* PC **A03**/MF **A01**

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N85-26385/3 18-*541,833* PC **A03**/MF **A01**

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DE85750449 20-*545,060* PC **A07**

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DE85750598 14-*531,746* PC **A06**/MF **A01**

Renewable Energy Sources Wind and Solar Energy in Electrical Energy Systems. Development of Methods.
DE85750847 22-*550,322* PC **A04**/MF **A01**

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PATENT-4 492 875 14-*531,803* Not available NTIS

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AD-A146 229/0 01-*501,249* PC **A05**/MF **A01**

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AD-A147 011/1 02-*503,747* PC **A02**/MF **A01**

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AD-A148 114/2 04-*509,502* PC **A03**/MF **A01**

Modulational Instability of Lower Hybrid Waves,
AD-A148 382/5 05-*512,501* PC **A02**/MF **A01**

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AD-A148 420/3 05-*511,749* PC **A02**/MF **A01**

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AD-A148 537/4 05-*511,357* PC **A03**/MF **A01**

Magnetostatic-Wave Propagation in a Finite YIG-Loaded Rectangular Waveguide.
AD-A150 332/5 10-*523,123* PC **A08**/MF **A01**

Two-and-One-Half Dimensional In-Plane Wave Propagation.
AD-A150 467/9 10-*522,193* PC **A03**/MF **A01**

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AD-A150 800/1 11-*524,184* PC **A09**/MF **A01**

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AD-A150 939/7 11-*524,871* PC **A05**/MF **A01**

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AD-A151 059/3 11-*524,186* PC **A05**/MF **A01**

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AD-A151 450/4 12-*527,912* PC **A05**/MF **A01**

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AD-A151 883/6 13-*530,561* PC **A05**/MF **A01**

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AD-A152 292/9 14-*532,547* PC **A04**/MF **A01**

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AD-A152 963/5 15-*535,127* Not available NTIS

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AD-A157 185/0 23-*552,727* PC **A03**/MF **A01**

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AD-A157 224/7 23-*554,327* PC **A02**/MF **A01**

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AD-A157 602/4 23-*552,660* Not available NTIS

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AD-A158 405/1 25-*558,502* PC **A03**/MF **A01**

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AD-A158 775/7 25-*559,379* PC **A08**/MF **A01**

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N84-34769/9 02-*504,486* PC **A02**/MF **A01**

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N85-10006/3 03-*505,274* PC **A03**/MF **A01**

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N85-13152/2 07-*515,291* PC **A03**/MF **A01**

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N85-14094/5 08-*517,775* PC **A03**/MF **A01**

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N85-16203/0 10-*522,493* PC **A06**/MF **A01**

Long Range Propagation of Sound over Irregular Terrain.
N85-16569/2 10-*522,920* PC **A03**/MF **A01**

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N85-26048/7 18-*540,440* PC **A02**/MF **A01**

Anderson Localization for Large Disorder or Low Energy.
N85-29692/9 21-*549,136* PC **A04**/MF **A01**

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PAT-APPL-6-709 257 15-*533,857* PC **A02**/MF **A01**

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PB85-856193 09-*520,755* PC **N01**/MF **N01**

WAVE REFLECTION

Application of Homomorphic Signal Processing to Stress Wave Factor Analysis.
N85-21673/7 14-*532,271* PC **A03**/MF **A01**

WAVE RESISTANCE

Reactanceless Synthesized Impedance Bandpass Amplifier.
PATENT-4 521 702 22-*550,298* Not available NTIS

WAVE RUNUP

Field Studies of Run-Up Generated by Wind Waves on Dissipative Beaches.
AD-A148 793/3 06-*513,349* PC **A09**/MF **A01**

WAVE SCATTERING

Wave Multiple Scattering by a Finite Number of Unclosed Circular Cylinders.
N85-10232/5 03-*507,772* PC **A03**/MF **A01**

WAVEFORM CODING

Speech Waveform Coding Using Vector Quantization.
AD-A147 230/7 03-*506,207* PC **A02**/MF **A01**

WAVEFORM GENERATORS

Speech Analysis/Synthesis Based on a Sinusoidal Representation.
AD-A157 023/3 22-*550,929* PC **A03**/MF **A01**

Laser Generation of Ultrasonic Waveform Reconstructions.
PAT-APPL-6-459 073 02-*504,846* PC **A02**/MF **A01**

Photoconductive Switches Used for Waveform Generation at the National Bureau of Standards.
PB85-142487 05-*512,113* Not available NTIS

WAVEFORMS

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AD-A147 230/7 03-*506,207* PC **A02**/MF **A01**

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AD-A148 906/1 07-*514,857* PC **A02**/MF **A01**

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AD-A153 052/6 15-*534,486* PC **A02**/MF **A01**

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N85-10816/5 03-*507,380* PC **A02**/MF **A01**

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N85-15319/5 09-*518,342* PC **A04**/MF **A01**

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PAT-APPL-6-624 567 11-*524,877* PC **A05**/MF **A01**

Solid-State Reference Waveform Standard.
PB85-187409 17-*537,909* Not available NTIS

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Performance of Bayes-Optimal Angle-of-Arrival Estimators.
AD-A146 594/7 01-*502,101* PC **A05**/MF **A01**

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AD-A151 204/5 12-*526,862* PC **A02**/MF **A01**

WAVEGUIDE ABSORBERS

Structural Damping Potential of Waveguide Absorbers,
AD-P004 711/8 19-*544,261* PC **A02**/MF **A01**

WAVEGUIDE ANTENNAS

Development of a Slotted Waveguide Array Panel for SAR Antenna: Electrical Design and Testing.
N84-33656/9 01-*501,376* PC **A13**/MF **A01**

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PB85-865111 19-*542,993* PC **N01**/MF **N01**

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Coupling between Successive Ti:LiNbO3 Waveguide Bends and Branches.
AD-A148 146/4 04-*510,229* PC **A02**/MF **A01**

Short Mode Selective Directional Couplers.
DE85780963 20-*546,105* PC **A02**/MF **A01**

Multihole Couplers for Overmoded Waveguide Systems.
DE85780964 20-*546,106* PC **A03**/MF **A01**

WAVEGUIDE FILTERS

Dual Mode Directionally Coupled Band Reject Filter Apparatus.
PATENT-4 477 787 03-*506,232* Not available NTIS

WAVEGUIDE FIN LINES

Computation of Fin-Line Impedance.
AD-A154 080/6 17-*537,874* PC **A06**/MF **A01**

WAVEGUIDE LASERS

High Power Coupled Ridge Waveguide Semiconductor Laser Arrays.
AD-A157 468/0 23-*554,231* Not available NTIS

Investigation of RF Excited CW CO2 Waveguide Lasers.
N85-13221/5 07-*515,546* PC **A03**/MF **A01**

Ground Slot Waveguide Laser.
PAT-APPL-6-712 943 13-*530,343* PC **A02**/MF **A01**

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PAT-APPL-6-761 256 26-*561,713* PC **A02**/MF **A01**

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PB85-851400 03-*507,334* PC **N01**/MF **N01**

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PB85-867158 21-*549,041* PC **N01**/MF **N01**

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AD-A145 808/2 01-*502,604* PC **A03**/MF **A01**

In-Plane Scattering in Planar Optical Waveguides.
AD-A145 887/6 01-*502,399* Not available NTIS

New Leaky Wave Antenna for Millimeter Waves Based on the Groove Guide.
AD-A146 428/8 01-*501,369* PC **A04**/MF **A01**

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AD-A146 763/8 02-*504,690* PC **A04**/MF **A01**

'Thermal Fixing' of Ti-Indiffused LiNbO3 Channel Waveguides for Reduced Photorefractive Susceptibility.
AD-A147 195/2 03-*507,336* PC **A02**/MF **A01**

Investigation of Planar Waveguides and Components for Millimeter-Wave Integrated Circuits.
AD-A147 360/0 03-*506,212* PC **A05**/MF **A01**

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AD-A147 797/5 04-*509,168* PC **A02**/MF **A01**

2-Bit 1-Gsamples/s Electro-Optic Guided-Wave Analogue-to-Digital Converter System.
AD-A147 821/3 04-*509,171* PC **A02**/MF **A01**

Low-Sidelobe Space Feed Lens,
AD-A147 883/3 04-*509,172* PC **A03**/MF **A01**

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AD-A149 273/5 08-*516,672* Not available NTIS

Analysis of Waveguide Discontinuities by the Method of Moments.
AD-A151 499/1 12-*526,874* PC **A07**/MF **A01**

Passive Ti:LiNbO3 Channel Waveguide TE-TM Mode Splitter.
AD-A152 852/0 15-*533,769* PC **A02**/MF **A01**

Low-Loss GaInAsP Buried-Heterostructure Optical Waveguide Branches and Bends.
AD-A153 103/7 15-*534,789* PC **A02**/MF **A01**

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AD-A153 188/8 15-*534,793* Not available NTIS

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AD-A153 726/5 16-*535,968* PC **A02**/MF **A01**

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AD-A154 039/2 17-*537,873* PC **A08**/MF **A01**

Computation of Fin-Line Impedance.
AD-A154 080/6 17-*537,874* PC **A06**/MF **A01**

Guided-Mode Launching in a Slab Waveguide by Way of Diffraction at the Edge of a Conducting Screen Residing on One Surface of the Slab.
AD-A154 886/6 18-*541,662* PC **A04**/MF **A01**

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AD-A158 313/7 25-*558,236* PC **A06**/MF **A01**

Waveguide Slot Array with CSC(2) Theta - COS Theta Pattern,
AD-P004 611/0 17-*537,987* PC **A03**/MF **A01**

Sheet Metal Waveguide Forming Technique,
AD-P004 612/8 17-*537,988* PC **A02**/MF **A01**

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AD-P004 618/5 17-*537,994* PC **A02**/MF **A01**

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AD-P004 621/9 17-*537,997* PC **A02**/MF **A01**

Structural Damping Potential of Waveguide Absorbers,
AD-P004 711/8 19-*544,261* PC **A02**/MF **A01**

PRUD-0 Program Package for Accelerating Structure Calculation.
DE84702354 01-*502,438* PC **A02**/MF **A01**

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DE85004056 08-*517,799* PC **A02**/MF **A01**

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DE85006148 13-*529,809* PC **A03**/MF **A01**

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DE85006288 10-*521,919* PC **A03**

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DE85007786 13-*529,118* PC **A02**/MF **A01**

Design of the Waveguide for Microwave Heating of Solid Lithium Ceramic Blankets.
DE85009776 15-*534,540* PC **A02**/MF **A01**

Electron Wind in Strong Wave Guide Fields.
DE85013062 22-*551,421* PC **A02**/MF **A01**

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DE85751932 25-*559,709* PC **A10**/MF **A01**

High-Power Millimeter-Wave Mode Converters in Overmoded Circular Waveguides Using Periodic Wall Perturbations.
DE85780960 20-*546,103* PC **A03**/MF **A01**

Short Mode Selective Directional Couplers.
DE85780963 20-*546,105* PC **A02**/MF **A01**

Multihole Couplers for Overmoded Waveguide Systems.
DE85780964 20-*546,106* PC **A03**/MF **A01**

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DE85781037 24-*556,279* PC **A02**/MF **A01**

S-Matrix and Acoustic Signal Structure in Simple and Compound Waveguides.
N85-12652/2 06-*514,052* PC **A03**/MF **A01**

Implementing Waveguide Bandwidth Six-Port Reflectometer Circuits at Millimetric Wavelengths.
N85-13155/5 07-*515,222* PC **A02**/MF **A01**

MMIC Devices for Active Phased Array Antennas.
N85-15943/2 10-*522,003* PC **A02**/MF **A01**

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N85-18773/0 12-*528,055* PC **A03**/MF **A01**

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N85-18781/3 12-*528,062* PC **A02**/MF **A01**

Interleaved Array Antenna Technology Development.
N85-19326/6 13-*529,250* PC **A04**/MF **A01**

Design of Low Loss Helix Circuits for Interference Fitted and Brazed Circuits.
N85-19328/2 13-*529,252* PC **A06**/MF **A01**

Numerical Methods for Analyzing Electromagnetic Scattering.
N85-21438/5 14-*532,734* PC **A04**/MF **A01**

Analysis of the Electromagnetic Scattering from an Inlet Geometry with Lossy Walls.
N85-25686/5 18-*541,901* PC **A05**/MF **A01**

Frequency-Spreading Coupler.
PATENT-4 496 876 17-*537,905* Not available NTIS

Propagation Guidee sur Barreaux Semi-Conducteurs en Gamme Millimetrique (Phase 2) (Guided Propagation on SemiConductor Bars in Millimeter Range (Phase 2)).
PB85-138014 06-*513,406* PC **E05**/MF **E04**

Optical Waveguide Photon Plumbing for the Chemistry Lab: Fiber Optics, Waveguides, and Evanescent Waves as Tools for Chemical Analysis.
PB85-184737 15-*534,410* Not available NTIS

Guides d'Ondes par Echanges Ioniques et Doubles Processus dans LiNbO3 (Waveguides by Ion Exchanges and Double Procedures in LiNbO3),
PB85-247187 26-*560,666* PC **E04**/MF **E04**

WAVELENGTH DIVISION MULTIPLEXING

Multiplexage Optique sur Fibres Monomodes (Optical Multiplexing on Monomode Fibers).
N85-31982/0 23-*553,780* PC **A06**/MF **A01**

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Compact Static Wavelength Meter for Both Pulsed and CW Lasers.
PB85-118438 03-*507,358* Not available NTIS

System for Light Velocity Measurement at NRLM (National Research Laboratory of Metrology).
PB85-130177
08-*517,787*
(Order as PB85-130078, PC **A99**/MF **A01**)

Laser Wavelength Measurements and Standards for the Determination of Length,
PB85-130185
08-*517,294*
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Predicted Wavelengths and Transition Rates for Magnetic Dipole Transitions within 3 doublet s 3p(sup n) Ground Configurations of Ionized Cu to Mo.
PB85-143665 06-*513,291* Not available NTIS

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PB85-222008 21-*549,065* Not available NTIS

WAVERLY DAM

National Program for Inspection of Non-Federal Dams. Waverly Dam (ME 00111), Kennebec River Basin, Pittsfield, Maine. Phase 1 Inspection Report.
AD-A155 746/1 19-*543,475* PC **A04**/MF **A01**

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AD-A151 283/9 12-*526,746* PC **A10**/MF **A01**

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AD-A151 589/9 12-*527,916* PC **A02**/MF **A01**

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AD-A152 612/6 **14**-*531,543* PC **A12**/MF **A01**

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AD-A153 982/4 **16**-*536,750* PC **A02**/MF **A01**

Solitary, Periodic and Chaotic Waves in Thin Films,
AD-P004 934/6 **24**-*555,856* PC **A02**/MF **A01**

Behavior of the Porous Bed in a Combustion-Deflagration-Detonation Transition.
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WAXES

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DE85700028 **09**-*520,495* PC **A03**/MF **A01**

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DE85700101 **09**-*520,529* PC **A03**/MF **A01**

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DE84752265 **09**-*520,443* PC **A04**/MF **A01**

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DE85004444 **22**-*551,509* PC **A05**/MF **A01**

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DE85004533 **12**-*527,987* PC **A03**/MF **A01**

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DE85008177 **13**-*530,462* PC **A02**/MF **A01**

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DE85700529 **16**-*536,822* PC **A04**/MF **A01**

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DE85751630 **22**-*551,740* PC **A03**/MF **A01**

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BHRA-85/04 **15**-*534,177* PC**$30.00**

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PB85-203289 **18**-*541,168* PC **E04**/MF **E01**

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PB85-120756 **04**-*509,804* Not available NTIS

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PB85-142503 **05**-*512,114* Not available NTIS

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PB85-156552 **10**-*522,508* PC **E04**/MF **E04**

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AD-A149 529/0 **08**-*517,167* PC **A07**/MF **A01**

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AD-A150 841/5 **11**-*524,462* PC **A02**/MF **A01**

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PB85-138774 **07**-*515,154* PC **E04**/MF **E04**

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N85-16190/9 **10**-*522,386* PC **A04**/MF **A01**

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N85-17127/0 **11**-*524,494* PC **A03**/MF **A01**

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N85-18347/3 **12**-*527,380* PC **A02**/MF **A01**

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N85-33570/1 **26**-*560,857* PC **A05**/MF **A01**

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DE84017302 **03**-*506,744* PC **A02**/MF **A01**

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DE85005718 **11**-*524,484* PC **A02**/MF **A01**

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DE85006120 **11**-*524,487* PC **A02**/MF **A01**

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DE85008603 **24**-*555,741* PC **A10**/MF **A01**

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DE85011868 **19**-*543,581* PC **A04**/MF **A01**

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DE85013533 **22**-*550,834* PC **A08**/MF **A01**

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DE85014623 **25**-*558,710* PC **A02**/MF **A01**

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DE85700442 **17**-*539,017* PC **A03**/MF **A01**

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DE85701239 **23**-*553,528* PC **A02**/MF **A01**

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DE85751135 **23**-*553,894* PC **A09**/MF **A01**

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DE85781159 **24**-*556,143* PC **A02**/MF **A01**

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PB85-116887 **04**-*509,740* PC **E04**/MF **E04**

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PB85-182095 **15**-*534,241* PC **E03**/MF **E03**

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PB85-185064
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PB85-187326 **16**-*536,317* Not available NTIS

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PB85-198612 **18**-*541,222* PC **E04**/MF **E01**

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PB85-229508 **23**-*553,342* PC **E04**/MF **E04**

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PB85-244887
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PB85-248680 **26**-*561,261* PC **A14**/MF **A01**

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DE85750069 **09**-*519,712* PC **A10**/MF **A01**

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DE85780359 **15**-*533,359* PC **A05**/MF **A01**

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N85-16218/8 **10**-*522,496* PC **A04**/MF **A01**

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N85-19519/6 **13**-*529,396* PC **A03**/MF **A01**

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N85-25845/7 **18**-*541,251* PC **A03**/MF **A01**

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PB85-103323 **02**-*504,397* PC **E04**/MF **E01**

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PB85-103356 **02**-*504,399* PC **E03**/MF **E01**

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PB85-103364 **02**-*504,400* PC **E03**/MF **E01**

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PB85-103505 **02**-*504,403* PC **E04**/MF **E01**

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PB85-105559 **01**-*501,882* PC **E04**/MF **E01**

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AD-P004 121/0 **04**-*509,389* PC **A02**/MF **A01**

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AD-P004 125/1 **04**-*509,393* PC **A02**/MF **A01**

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PB85-237121 **25**-*558,695* PC **A05**/MF **A01**

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AD-A158 896/1 **25**-*558,418* PC **A03**/MF **A01**

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DE85901148 **20**-*545,914* PC **A02**/MF **A01**

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DE85901163 **18**-*540,851* PC **A03**

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DE84751876 **10**-*522,469* PC **A02**/MF **A01**

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DE85008693 **23**-*552,895* PC **A02**/MF **A01**

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DE85008696 **23**-*552,897* PC **A02**/MF **A01**

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DE85001983 **17**-*537,820* PC **A02**/MF **A01**

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DE85008615 **23**-*552,696* PC **A02**/MF **A01**

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DE82007640 **24**-*557,084* PC **A11**/MF **A01**

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DE85011455 **20**-*547,068* PC **A03**/MF **A01**

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PAT-APPL-6-572 346 **21**-*548,051* PC **A02**/MF **A01**

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PB85-122893 **04**-*508,843* PC **E04**/MF **E04**

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DE84752319 **11**-*524,945* PC **A05**/MF **A01**

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DE85780959 **20**-*546,102* PC **A02**/MF **A01**

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N85-10035/2 03-*505,299* PC **A04**/MF **A01**

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N85-10096/4 03-*507,865* PC **A06**

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N85-10317/4 03-*507,314* PC **A16**/MF **A01**

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N85-10856/1 03-*505,284* PC **A04**/MF **A01**

Results of Winglet Development Studies for DC-10 Derivatives.
N85-10936/1 04-*507,923* PC **A08**/MF **A01**

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N85-11127/6 04-*510,549* PC **A21**/MF **A01**

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N85-11786/5 04-*507,886* PC **A03**/MF **A01**

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N85-12313/1 06-*514,310* PC **A06**/MF **A01**

Etude Par Anemometrie Laser d'Ecoulements Decolles sur des Profils d'Aile (Laser Anemometer Study of Separated Flow on Wing Profiles).
N85-12872/6 07-*514,324* PC **A05**/MF **A01**

Adaptation de Parois a Mach 1.2 (Wall Adaptation at Mach 1.2).
N85-12873/4 07-*515,213* PC **A03**/MF **A01**

Singularitaeten-Modell Zur Analyse der Wandinterferenz in Geschlossenen Windkanalen Nach der Wanddricksignatur-Methode (Blockierung und Auftrieb) (Singularity Model for the Analysis of Wall Interference in Closed Wind Tunnels According to the Wall Pressure Signature Method (Blockage and Lift)).
N85-12874/2 07-*515,214* PC **A05**/MF **A01**

Wandeinfluss-Korrekturen in Windkanaelen: Blockierungskorrektur Nach der Wandrucksignatur-Methode (Wall Influence Corrections in Wind Tunnels: Blockage Correction According to the Wall Pressure Signature Method).
N85-12875/9 07-*515,215* PC **A04**/MF **A01**

Parametrische Bestimmung der Blockierungsinterferenzen fuer Drei-Dimensionale Modelle im Transonic-Kanal des Eidgenoessisches Flugzwerk, Emmen (Parametric Determination of Blockage Interference of 3-Dimensional Models in the Emmen Federal Aircraft Works Transonic Tunnel (Switzerland)).
N85-12876/7 07-*515,216* PC **A03**/MF **A01**

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N85-12877/5 07-*515,217* PC **A07**/MF **A01**

Vergleichende Stroemungsrechnung an Transsonischen Kegel/Zylinder-Eidhmodellen im Zusammenhang MIT Dem Wandinterferenzproblem (Comparative Flow Calculation on Transonic Cone/Cylinder Standard Models in Connection with the Wall Interference Problem).
N85-12878/3 07-*515,218* PC **A07**/MF **A01**

Flight and Wind-Tunnel Comparisons of the Inlet-Airframe Interaction of the F-15 Airplane.
N85-12884/1 07-*514,334* PC **A03**/MF **A01**

Evaluation of the Langley 4- by 7-Meter Tunnel for Propeller Noise Measurements.
N85-13553/1 07-*515,229* PC **A03**/MF **A01**

Premiers Essais Cryogeniques du Profil Cast 7 a la Soufflerie T2. Comparaisons Avec les Calculs (First Cryogenic Test of the Cast 7 Profile in the T2 Wind Tunnel. Comparison with Calculations).
N85-13682/8 07-*514,325* PC **A04**/MF **A01**

Amiet Shear Layer Correction with an Additional Temperature Gradient Considered: Nomograms for the Correction of Noise Signatures from Open Jet Wind Tunnel Tests.
N85-14669/4 08-*517,285* PC **A04**/MF **A01**

Static Internal Performance of Single-Expansion-Ramp Nozzles with Various Combinations of Internal Geometric Parameters.
N85-14797/3 09-*520,910* PC **A05**/MF **A01**

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N85-15657/8 10-*520,936* PC **A02**/MF **A01**

Analytical Modeling of Circuit Aerodynamics in the New NASA Lewis Wind Tunnel.
N85-15688/3 10-*520,938* PC **A02**/MF **A01**

Aileron Effectiveness for a Subsonic Transport Model with a High-Aspect-Ratio Supercritical Wing.
N85-15695/8 10-*520,944* PC **A13**/MF **A01**

UH-1H Helicopter Icing Flight Test Program: An Overview.
N85-15702/2 10-*520,952* PC **A03**/MF **A01**

Installed Nacelle Drag-Improvement Tests of an M = 0.8 Turboprop Transport Configuration.
N85-15716/2 10-*520,947* PC **A17**/MF **A01**

Analytical and Physical Modeling Program for the NASA Lewis Research Center's Altitude Wind Tunnel (AWT).
N85-15757/6 10-*522,479* PC **A02**/MF **A01**

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N85-15758/4 10-*522,480* PC **A02**/MF **A01**

Stereo Electro-Optical Tracking System (SETS).
N85-16098/4 10-*522,486* PC **A03**/MF **A01**

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N85-16882/1 11-*524,804* PC **A03**/MF **A01**

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N85-17730/1 11-*524,813* PC **A05**/MF **A01**

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N85-17997/6 12-*525,854* PC **A03**/MF **A01**

Effect of Jet Exit Vanes on Flow Pulsations in an Open-Jet Wind Tunnel.
N85-17999/2 12-*525,856* PC **A10**/MF **A01**

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N85-18004/0 12-*525,861* PC **A10**/MF **A01**

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N85-18067/7 12-*527,484* PC **A02**/MF **A01**

Static Internal Performance of a Two-Dimensional Convergent Nozzle with Thrust-Vectoring Capability Up to 60 Deg.
N85-18951/2 **13**-*530,690* PC **A04**/MF **A01**

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N85-16956/1 **13**-*530,717* PC **A05**/MF **A01**

Low-Speed Wind Tunnel Tests of the Nal Fan-Jet STOL Research Aircraft Model with Ground Simulation by Tangential Blowing.
N85-18976/9 **13**-*528,291* PC **A06**/MF **A01**

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N85-19008/0 **13**-*530,706* PC **A04**/MF **A01**

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N85-19790/3 **13**-*530,680* PC **A03**/MF **A01**

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N85-21110/0 **14**-*530,746* PC **A03**/MF **A01**

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N85-21116/7 **14**-*530,749* PC **A02**/MF **A01**

Exploratory Flutter Test in a Cryogenic Wind Tunnel.
N85-21689/3 **14**-*530,755* PC **A02**/MF **A01**

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N85-22108/3 **14**-*530,780* PC **A02**/MF **A01**

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N85-22365/9 **15**-*532,906* PC **A04**/MF **A01**

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N85-22390/7 **15**-*535,140* PC **A12**/MF **A01**

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N85-22401/2 **15**-*534,376* PC **A04**/MF **A01**

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N85-22466/5 **15**-*535,295* PC **A08**/MF **A01**

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N85-22467/3 **15**-*535,296* PC **A06**/MF **A01**

Results of a M = 5.3 Heat Transfer Test of the Integrated Vehicle Using Phase-Change Paint Techniques on the 0.0175-Scale Model 56-OtS in the NASA/Ames Research Center 3.5-Foot Hypersonic Wind Tunnel.
N85-22468/1 **15**-*535,297* PC **A03**/MF **A01**

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N85-23377/3 **15**-*534,728* PC **A12**/MF **A01**

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N85-23704/8 **17**-*537,003* PC **A03**/MF **A01**

Low-Speed Stability and Control Wind-Tunnel Investigations of Effects of Spanwise Blowing on Fighter Flight Characteristics at High Angles of Attack.
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Recent Transonic Unsteady Pressure Measurements at the NASA Langley Research Center.
N85-23710/5 **17**-*537,008* PC **A02**/MF **A01**

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N85-23712/1 **17**-*537,009* PC **A07**/MF **A01**

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N85-23727/9 **17**-*537,011* PC **A03**/MF **A01**

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N85-26667/4 **19**-*542,068* PC **A02**/MF **A01**

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Etude de Synthese. Validation d'UN Generateur de Rafale en Presence d'Une Maquette en Soufflerie (Synthesis Study: Validation of a Gust Generator in the Presence of a Model in a Wind Tunnel).
N85-26678/1 **19**-*543,684* PC **A03**/MF **A01**

Etude Preliminaire en Soufflerie de l'Influence d'UN Jet sur l'Aerodynamique Instationnaire d'UN Reacteur (Preliminary Wind Tunnel Study of the Influence of a Jet on the Unsteady Aerodynamics of a Turbojet Engine).
N85-26679/9 **19**-*542,075* PC **A03**/MF **A01**

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N85-27830/7 **20**-*544,481* PC **A04**/MF **A01**

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N85-27833/1 **20**-*544,482* PC **A04**/MF **A01**

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N85-27854/7 **20**-*545,970* PC **A05**/MF **A01**

Background Noise Measurements from Jet Exit Vanes Designed to Reduced Flow Pulsations in an Open-Jet Wind Tunnel.
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N85-27920/6 **20**-*545,974* PC **A03**/MF **A01**

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N85-28263/0 **20**-*547,186* PC **A05**/MF **A01**

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N85-28923/9 **21**-*547,194* PC **A05**/MF **A01**

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N85-28950/2 **21**-*547,199* PC **A03**/MF **A01**

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N85-29844/6 **21**-*547,322* PC **A03**/MF **A01**

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N85-29923/8 **22**-*549,278* PC **A05**/MF **A01**

Nacelle/Pylon/Wing Integration on a Transport Model with a Natural Laminar Flow Nacelle.
N85-29924/6 **22**-*549,305* PC **A04**/MF **A01**

High Reynolds Number Tests of a NASA SC(3)-0712(B) Airfoil in the Langley 0.3-Meter Transonic Cryogenic Tunnel.
N85-29926/1 **22**-*549,306* PC **A08**/MF **A01**

Pressure Distribution from High Reynolds Number Tests of a NASA SC(3)-0712(B) Airfoil in the Langley 0.3-Meter Transonic Cryogenic Tunnel.
N85-29927/9 **22**-*549,307* PC **A18**/MF **A01**

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N85-29928/7 **22**-*549,308* PC **A03**/MF **A01**

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N85-30364/2 **22**-*549,285* PC **A02**/MF **A01**

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N85-31009/2 **23**-*551,876* PC **A07**/MF **A01**

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N85-31010/0 **23**-*551,877* PC **A13**/MF **A01**

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N85-31018/3 **23**-*551,885* PC **A05**/MF **A01**

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N85-31019/1 **23**-*551,886* PC **A02**/MF **A01**

Transonic and Supersonic Wind Tunnel Tests on Control Effectiveness on Schematic Missile Configurations.
N85-31020/9 **23**-*551,887* PC **A11**/MF **A01**

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N85-31021/7 **23**-*551,888* PC **A07**/MF **A01**

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N85-31443/3 **23**-*554,145* PC **A03**/MF **A01**

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N85-31467/2 **23**-*552,037* PC **A04**/MF **A01**

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N85-31926/7 **23**-*554,150* PC **A04**/MF **A01**

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N85-32094/3 **24**-*554,553* PC **A04**/MF **A01**

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N85-12070/7 **06**-*513,916* PC **A04**/MF **A01**

Adaptation de Parois a Mach 1.2 (Wall Adaptation at Mach 1.2).
N85-12873/4 **07**-*515,213* PC **A03**/MF **A01**

Singularitaeten-Modell Zur Analyse der Wandinterferenz in Geschlossenen Windkanalen Nach der Wanddrucksignatur-Methode (Blockierung und Auftrieb) (Singularity Model for the Analysis of Wall Interference in Closed Wind Tunnels According to the Wall Pressure Signature Method (Blockage and Lift)).
N85-12874/2 **07**-*515,214* PC **A05**/MF **A01**

Wandeinfluss-Korrekturen in Windkanaelen: Blockierungskorrektur Nach der Wandrucksignatur-Methode (Wall Influence Corrections in Wind Tunnels: Blockage Correction According to the Wall Pressure Signature Method).
N85-12875/9 **07**-*515,215* PC **A04**/MF **A01**

Parametrische Bestimmung der Blockierungsinterferenzen fuer Drei-Dimensionale Modelle im Transonic-Kanal des Eidgenoessisches Flugzwerk, Emmen (Parametric Determination of Blockage Interference of 3-Dimensional Models in the Emmen Federal Aircraft Works Transonic Tunnel (Switzerland)).
N85-12876/7 **07**-*515,216* PC **A03**/MF **A01**

Local Slot Boundary Condition for Transonic Flow Calculations in Slotted-Wall Test Sections of Wind Tunnels.
N85-12879/1 **07**-*515,219* PC **A03**/MF **A01**

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N85-18992/6 **13**-*529,820* PC **A02**/MF **A01**

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N85-26682/3 **19**-*544,001* PC **A03**/MF **A01**

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N85-31014/2 **23**-*551,881* PC **A03**/MF **A01**

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N85-31443/3 **23**-*554,145* PC **A03**/MF **A01**

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N85-12877/5 **07**-*515,217* PC **A07**/MF **A01**

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N85-13553/1 **07**-*515,229* PC **A03**/MF **A01**

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N85-14666/0 **08**-*517,283* PC **A14**/MF **A01**

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N85-16586/8 **10**-*522,501* PC **A03**/MF **A01**

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N85-25276/5 **18**-*541,330* PC **A10**/MF **A01**

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N85-29929/5 **22**-*549,279* PC **A03**/MF **A01**

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PB85-117349 **03**-*506,701* PC **E04**/MF **E04**

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PB85-136810 **05**-*512,094* Not available NTIS

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PB85-140812 **05**-*512,104* Not available NTIS

Essais de l'Avion 'Petit Canard' Reel dans la Veine no. 3-47 sq m de la Soufflerie S1MA (Tests on the Full-Scale 'Petit Canard' Airplane in the No. 3-47 sq m Section of the S1MA Wind Tunnel).
PB85-159200 **11**-*523,228* PC **E05**/MF **E05**

Etude Preliminaire en Soufflerie de l'Influence d'un Jet sur l'Aerodynamique Instationnaire d'un Reacteur (Preliminary Windtunnel Study of the Effect of a Jet on the Unstable Aerodynamics of a Reactor).
PB85-159226 **11**-*523,229* PC **E04**/MF **E04**

Etude de Synthese. Validation d'un Generateur de Rafale en Presence d'une Maquette en Soufflerie (Synthesis Study. Validation of a Gust Generator in the Presence of a Mockup in the Wind Tunnel).
PB85-161677 **11**-*524,819* PC **E04**/MF **E04**

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PB85-172815 **12**-*527,499* PC **E04**/MF **E04**

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PB85-181683 **15**-*534,391* PC **E04**/MF **E04**

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PB85-181790 **15**-*534,393* PC **E06**/MF **E06**

Essai de la Balance Cryogenique ONERA dans la Soufflerie T2 du CERT (Test of the Cryogenic ONERA Scale in the T2 Windtunnel of CERT).
PB85-216240 **20**-*546,006* PC **E04**/MF **E04**

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PB85-224418 **19**-*543,709* PC **A04**/MF **A01**

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Shape Coexistence in Light Xe-Isotopes.
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DE85015665 **25**-*559,129* PC **A02**

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AD-A152 749/8 **14**-*531,083* PC **A02**/MF **A01**

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PB85-175271 **14**-*530,804* MF **A01**

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DE85770329 **25**-*559,940* PC **A02**/MF **A01**

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PB85-215648 **20**-*544,681* PC **A05**/MF **A01**

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DE84703470 **10**-*522,846* PC **A02**/MF **A01**

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DE85900414 **09**-*520,079* PC **A04**/MF **A01**

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DE85701991 **26**-*561,640* PC **A06**/MF **A01**

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DE85014770 **24**-*557,130* PC **A02**/MF **A01**

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DE85901121 **15**-*534,154* PC **A02**/MF **A01**

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N85-12119/2 **06**-*513,250* PC **A06**/MF **A01**

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PB85-186450 **16**-*536,643* PC **E05**/MF **E05**

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DE85002577 **09**-*520,149* PC **A03**

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DE85006119 **13**-*530,255* PC **A02**/MF **A01**

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DE85010720 **18**-*541,514* PC **A02**/MF **A01**

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DE85012683 **23**-*554,068* PC **A02**/MF **A01**

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AD-A155 936/8 **21**-*549,047* PC **A02**/MF **A01**

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DE84702204 **03**-*507,653* PC **A03**/MF **A01**

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AD-A154 747/0 **18**-*540,308* PC **A03**/MF **A01**

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AD-A158 806/0 **25**-*557,948* PC **A06**/MF **A01**

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DE81700475 **20**-*544,950* PC **A03**/MF **A01**

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DE84015968 **01**-*501,052* PC **A05**/MF **A01**

Effects of Coal Combustion and Gasification Process Contaminants on Pulmonary Carcinogen Metabolism.
DE84017598 **08**-*516,318* PC **A02**/MF **A01**

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DE84700273 **03**-*507,754* PC **A02**/MF **A01**

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DE84701998 **02**-*503,573* PC **A02**/MF **A01**

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DE84702562 **01**-*501,060* PC **A05**/MF **A01**

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DE84702765 **09**-*520,047* PC **A02**/MF **A01**

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DE84702893 **09**-*518,867* PC **A11**/MF **A01**

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DE84703162 **05**-*511,219* PC **A03**/MF **A01**

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DE84703243 **10**-*521,713* PC **A03**/MF **A01**

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DE84770375 **04**-*508,578* PC **A07**/MF **A01**

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DE85001513 **05**-*511,446* PC **A02**/MF **A01**

Effects of Coal Combustion Effluent on Pulmonary Carcinogen Metabolism.
DE85003362 **18**-*540,240* PC **A03**/MF **A01**

Using Fuel Cells or Anode Depolarization to Reduce Electrowinning Energy Consumption.
DE85006187 **11**-*524,338* PC **A02**/MF **A01**

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DE85007216 **12**-*527,115* PC **A02**/MF **A01**

Determination of the Major Elements and Trace Metals Present in Bitumen from Several Tar Sand Deposits.
DE85007321 **13**-*530,638* PC **A02**/MF **A01**

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DE85007505 **13**-*528,874* PC **A02**/MF **A01**

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DE85008304 **15**-*534,021* PC **A08**/MF **A01**

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DE85009613 **18**-*541,949* PC **A12**/MF **A01**

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DE85011814 **19**-*544,152* PC **A02**/MF **A01**

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DE85012040 **19**-*542,613* PC **A06**/MF **A01**

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DE85013308 **22**-*549,894* PC **A02**/MF **A01**

Universal Binding Energy Relations in Metallic Adhesion.
DE85015519 **25**-*558,431* PC **A02**/MF **A01**

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DE85016484 **25**-*558,363* PC **A05**/MF **A01**

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DE85700309 **16**-*536,972* PC **A10**/MF **A01**

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DE85700354 **17**-*537,523* PC **A04**/MF **A01**

Stopping of Silver Ions in Solids.
DE85700502 **16**-*536,808* PC **A02**/MF **A01**

Spectrographic Determination of Trace Amounts of Some Elements in Metallic Aluminium.
DE85700580 **19**-*542,604* PC **A02**/MF **A01**

Study by Positron Annihilation of Defects in Metals, Crystalline or Amorphous Alloys and in Semiconductors.
DE85751234 **24**-*556,606* PC **A05**/MF **A01**

Cadmium Retention in Liver and Kidneys of Growing Chicks as Influenced by Zinc Intake and Different Binding-Forms of Cadmium.
DE85751863 **20**-*544,899* PC **A05**/MF **A01**

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DE85752380 **25**-*557,852* PC **A08**/MF **A01**

Trace Elements in Petroleum, Associated Oil Field Waters and the Kerogen Fraction of Selected Drill Core Samples from the Alpine Foreland (Southern Germany).
DE85770044 **20**-*544,989* PC **A06**/MF **A01**

Use of Atomic Absorption Spectrometry to Determine Metallic Impurities in Coal.
DE85780380 **17**-*537,673* PC **A10**/MF **A01**

Semi-Quantitative Spectrographic Determination of Traces of Elements in Igneous Rocks.
DE85781519 **25**-*558,060* PC **A02**/MF **A01**

Universal Binding Energy Relations in Metallic Adhesion.
N85-12132/5 **06**-*513,595* PC **A02**/MF **A01**

Zinc: Biological Effects. Facts and Fiction.
N85-31798/0 **23**-*552,384* PC **A21**/MF **A01**

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PB85-105823 **01**-*501,112* PC **E03**/MF **E01**

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PB85-160703 **11**-*523,917* PC **A04**/MF **A01**

Proposed Environmental Quality Standards for List II Substances in Water: Zinc.
PB85-180131 **14**-*532,121* PC **E06**/MF **E06**

Diffusion-Induced Grain Boundary Migration in the Copper-Zinc System.
PB85-202059 **18**-*540,865* Not available NTIS

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PB85-212009 **19**-*542,769* PC **A09**/MF **A01**

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PB85-219855 **20**-*547,003* Not available NTIS

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PB85-857647 **11**-*524,504* PC **N01**/MF **N01**

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PB85-857720 **11**-*524,505* PC **N01**/MF **N01**

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PB85-862191 **16**-*535,719* PC **N01**/MF **N01**

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PB85-864858 **19**-*543,234* PC **N01**/MF **N01**

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PB85-868719 **23**-*553,182* PC **N01**/MF **N01**

ZINC 62

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

ZINC 64

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

ZINC 65

Burn-Up Cross Sections of sup 51 Cr, sup 59 Fe, sup 65 Zn, sup 86 Rb, sup 103 Ru.
DE85011814 **19**-*544,152* PC **A02**/MF **A01**

Distribution of Six Radionuclides Between Soluble and Particulate Phase at the Sea-Freshwater Interface.
DE85780904 **20**-*546,307* PC **A09**/MF **A01**

ZINC 66

Contribution to the Study of Four-Nucleon Transfer Reactions Induced by exp 16 O on Ni Even Isotopes.
FRNC-TH-944 **20**-*546,853* PC **A06**/MF **A01**

ZINC 68 TARGET

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

Cross Section Determination of Threshold Like (n,p), (n, alpha) and (n,2n) Reactions with 14 MeV Neutrons for the sup 50 Ti, sup 68 Zn and sup 90 Zr Nuclides.
DE85780841 **17**-*539,413* PC **A06**/MF **A01**

ZINC 70 TARGET

Complex Transfer Reaction (sup 14 C, sup 15 O) on Ni, Zn and Ge Targets: Existence and Mass of sup 69 Ni.
DE85751240 **24**-*556,868* PC **A03**/MF **A01**

ZINC ALLOYS

Application of the Diffraction Model to Amorphous Magnesium Zinc Alloys.
AD-A147 369/3 **03**-*506,418* PC **A02**/MF **A01**

Role of Hydrogen in the Stress Corrosion Failure of High Strength Al-Zn-Mg Alloys.
AD-A150 891/0 **11**-*524,464* PC **A03**/MF **A01**

Self-Consistent Electronic Structure of alpha-Phase Hume-Rothery Electron Compound Alloys Cu/sub C/Zn/sub 1-C/, Cu/sub C/Ga/sub 1-C/, and Cu/sub C/Ge/sub 1-C/.
DE85017560 **26**-*561,923* PC **A02**/MF **A01**

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PB85-196251 **17**-*538,284* Not available NTIS

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PB85-231249 **23**-*553,177*
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DE85004882 **11**-*524,473* PC **A02**/MF **A01**

ZINC-BROMINE BATTERIES

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DE85011144 **21**-*548,069* PC **A09**/MF **A01**

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Transport in Aqueous Battery Systems, FY 1984.
DE85007246 **14**-*531,811* PC **A02**/MF **A01**

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DE85009085 **15**-*535,186* PC **A02**/MF **A01**

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DE85010680 **22**-*551,816* PC **A08**/MF **A01**

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DE85011087 **18**-*541,987* PC **A02**/MF **A01**

Melphalan Metabolism in Cultured Cells.
DE85016218 **26**-*560,389* PC **A02**/MF **A01**

Dynamics of Protons in Water and Aqueous ZnCl sub 2 Solutions.
DE85751073 **19**-*542,808* PC **A02**/MF **A01**

Low Frequency Dynamics in Water and Aqueous Solutions of ZnCl sub 2 : A Comparative Investigation by Raman, Rayleigh Wing and Inelastic Neutron Scattering.
DE85751074 **19**-*542,809* PC **A02**/MF **A01**

ZINC-CHLORINE BATTERIES

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DE85007246 **14**-*531,811* PC **A02**/MF **A01**

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DE85016484 **25**-*558,363* PC **A05**/MF **A01**

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N85-21342/9 **14**-*531,878* PC **A05**/MF A01

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N85-22666/0 **15**-*533,986* PC **A04**/MF **A01**

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PB85-168029 **11**-*524,409*
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DE85000713 **04**-*508,794* PC **A02**/MF **A01**

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DE85006907 **13**-*529,085* PC **A02**/MF **A01**

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DE85015166 **24**-*555,256* PC **A02**/MF **A01**

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N85-13009/4 **07**-*514,705* PC **A03**/MF **A01**

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DE85000469 **09**-*520,721* PC **A02**/MF **A01**

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DE85014840 **24**-*557,030* PC **A02**/MF **A01**

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DE84703162 **05**-*511,219* PC **A03**/MF **A01**

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DE85781469 **25**-*559,399* PC **A05**/MF **A01**

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DE85700589 **18**-*541,886* PC **A02**/MF **A01**

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DE85751234 **24**-*556,606* PC **A05**/MF **A01**

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DE84017099 **02**-*504,747* PC **A02**/MF **A01**

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DE85000756 **05**-*512,324* PC **A02**/MF **A01**

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DE85001587 **05**-*512,329* PC **A04**/MF **A01**

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DE84017206 **03**-*505,856* PC **A03**/MF **A01**

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DE85003663 **10**-*522,122* PC **A02**/MF **A01**

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DE85009952 **18**-*541,532* PC **A02**/MF **A01**

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DE85750473 **13**-*530,247* PC **A04**/MF **A01**

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DE85013241 **26**-*561,434* PC **A02**/MF **A01**

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DE85780179 **11**-*525,168* PC **A06**/MF **A01**

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DE84703562 **10**-*522,852* PC **A02**/MF **A01**

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DE85016281 **26**-*560,921* PC **A03**/MF **A01**

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DE85751551 **20**-*546,207* PC **A03**/MF **A01**

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DE85902164 **26**-*561,596* PC **A03**/MF **A01**

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DE85016301 **26**-*561,916* PC **A02**/MF **A01**

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DE85751911 **26**-*561,631* PC **A07**/MF **A01**

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DE85781461 **25**-*557,877* PC **A02**/MF **A01**

Semi-Quantitative Spectrographic Determination of Traces of Elements in Igneous Rocks.
DE85781519 **25**-*558,060* PC **A02**/MF **A01**

Zirconium Fabrication and Junction Between Zirconium or Titanium and Stainless Steel.
DE85781586 **26**-*560,944* PC **A03**/MF **A01**

High Temperature Ceramic Interface Study.
N84-34331/8 **01**-*501,505* PC **A06**/MF **A01**

Effects of Cobalt, Boron, and Zirconium on the Microstructure of Udimet 738.
N85-10166/5 **03**-*506,439* PC **A05**/MF **A01**

High-Temperature Erosion of Plasma-Sprayed, Yttria-Stabilized Zirconia in a Simulated Turbine Environment.
N85-13045/8 **07**-*514,961* PC **A02**/MF **A01**

Electrical Resistivity of Vanadium and Zirconium.
PB85-219863 **20**-*547,004* Not available NTIS

ZIRCONIUM 88

Shell Model Study of sup 90 sup 88 Zr.
DE84012643 **02**-*504,960* PC **A02**/MF **A01**

ZIRCONIUM 90

Shell Model Study of sup 90 sup 88 Zr.
DE84012643 **02**-*504,960* PC **A02**/MF **A01**

Low Lying Negative Parity States in the Nucleus 90/40Zr.
DE84703503 **09**-*520,410* PC **A02**/MF **A01**

Application of the Quasiparticle-Random-Phase Approximation in the Region of the Semi-Magic Nucleus sub 64146 Gd sub 82.
DE84751954 **08**-*517,949* PC **A06**/MF **A01**

Crystal Ball Studies of Giant Resonance gamma Decay.
DE85003543 **08**-*518,002* PC **A02**/MF **A01**

Electromagnetic Decay of Giant Resonances.
DE85012422 **22**-*551,537* PC **A02**/MF **A01**

Fragmentation of the Gamow-Teller Resonance in Spherical Nuclei.
DE85700683 **20**-*546,693* PC **A02**/MF **A01**

Excitation of States with a Different Lambdasup(Pi) in the Inelastic Electron Scattering at Backward Angles.
DE85701828 **26**-*561,813* PC **A02**/MF **A01**

ZIRCONIUM 90 REACTIONS

Fusion of the System sup 90 Zr+ sup 90 Zr.
DE84751616 **03**-*507,583* PC **A02**/MF **A01**

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

Quantum Mechanical Treatment of Diabatic Neutron Emission in Heavy-Ion Collisions.
DE85751535 **20**-*546,802* PC **A04**/MF **A01**

Cold Fusion in Symmetric sup 90 Zr Induced Reactions.
DE85751888 **26**-*561,849* PC **A05**/MF **A01**

ZIRCONIUM 90 TARGET

Fusion of the System sup 90 Zr+ sup 90 Zr.
DE84751616 **03**-*507,583* PC **A02**/MF **A01**

Studies of Extremely Neutron-Deficient Isotopes Near the Proton Shell Z = 82.
DE84751927 **09**-*520,424* PC **A06**/MF **A01**

Crystal Ball Studies of Giant Resonance gamma Decay.
DE85003543 **08**-*518,002* PC **A02**/MF **A01**

Determination of the Total Reaction Cross Section for Heavy Ions at 15 MeV/Amu, 25 MeV/Amu, and 35 MeV/Amu.
DE85011445 **19**-*544,148* PC **A07**

Isovector Resonances in Pion Charge Exchange.
DE85012746 **22**-*551,547* PC **A02**/MF **A01**

Spin Excitations in sup 48 Ca and sup 90 Zr with 319 MeV Protons.
DE85015364 **24**-*556,853* PC **A10**/MF **A01**

Sup 6 Li Elastic Scattering.
DE85700080 **09**-*520,517* PC **A02**/MF **A01**

Contribution of Vertical Bargsub(9/2)Sup(-1)Gsub(9/2) > Configuration in the Direct Reaction sup 90 Zr(p,n).
DE85700546 **16**-*536,837* PC **A02**/MF **A01**

Excitation of States with a Different Lambdasup(Pi) in the Inelastic Electron Scattering at Backward Angles.
DE85701826 **26**-*561,813* PC **A02**/MF **A01**

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

Quantum Mechanical Treatment of Diabatic Neutron Emission in Heavy-Ion Collisions.
DE85751535 **20**-*546,802* PC **A04**/MF **A01**

Cold Fusion in Symmetric sup 90 Zr Induced Reactions.
DE85751888 **26**-*561,849* PC **A05**/MF **A01**

Four-Nucleon Pickup Studies on Medium-Weight and Heavy Nuclei with the (D, sup 6 Li) Reaction.
DE85780657 **15**-*534,996* PC **A08**/MF **A01**

Cross Section Determination of Threshold Like (n,p), (n, alpha) and (n,2n) Reactions with 14 MeV Neutrons for the sup 50 Ti, sup 68 Zn and sup 90 Zr Nuclides.
DE85780841 **17**-*539,413* PC **A06**/MF **A01**

ZIRCONIUM 91 TARGET

Accurate Determination of the Parameters of the 292.4-EV Resonance of sup 91 Zr and the 301.1-EV Resonance of sup 96 Zr.
DE85016398 **26**-*561,792* PC **A02**/MF **A01**

ZIRCONIUM 92 REACTIONS

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

ZIRCONIUM 92 TARGET

Suppression of Neutron Emission in Heavy Ion Induced Fusion Reactions: Entrance Channel Effect and/or Superdeformed Shapes.
DE85012376 **22**-*551,534* PC **A02**/MF **A01**

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

Cold Fusion in Symmetric sup 90 Zr Induced Reactions.
DE85751888 **26**-*561,849* PC **A05**/MF **A01**

Four-Nucleon Pickup Studies on Medium-Weight and Heavy Nuclei with the (D, sup 6 Li) Reaction.
DE85780657 **15**-*534,996* PC **A08**/MF **A01**

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DE84702931 **09**-*520,049* PC **A03**/MF **A01**

Annual Report of the Surface Air Sampling Program.
DE85012570 **19**-*543,915* PC **A05**

Specific Processes in Solvent Extraction of Radionuclide Complexes. Author's Summary of Doctoral Thesis in Chemistry.
DE85780499 **17**-*538,684* PC **A03**/MF **A01**

ZIRCONIUM 96 REACTIONS

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

Quantum Mechanical Treatment of Diabatic Neutron Emission in Heavy-Ion Collisions.
DE85751535 **20**-*546,802* PC **A04**/MF **A01**

ZIRCONIUM 96 TARGET

Accurate Determination of the Parameters of the 292.4-EV Resonance of sup 91 Zr and the 301.1-EV Resonance of sup 96 Zr.
DE85016398 **26**-*561,792* PC **A02**/MF **A01**

Traces of Landau-Zener Transitions in the Fusion Cross Section of Heavy Nuclei.
DE85750513 **15**-*534,903* PC **A03**/MF **A01**

Quantum Mechanical Treatment of Diabatic Neutron Emission in Heavy-Ion Collisions.
DE85751535 **20**-*546,802* PC **A04**/MF **A01**

Cold Fusion in Symmetric sup 90 Zr Induced Reactions.
DE85751888 **26**-*561,849* PC **A05**/MF **A01**

Excited States of sup 96 Nb from sup 96 Zr(p,n gamma) sup 96 Nb Reaction.
DE85781458 **25**-*559,662* PC **A03**/MF **A01**

ZIRCONIUM ALLOYS

Zirconium as a Structural Material for Naval Systems.
AD-A158 201/4 **24**-*555,735* PC **A04**/MF **A01**

Magnetic Properties of Zr(Cr1-xCox)2 Alloys and Their Hydrides.
AD-A158 342/6 **25**-*559,780* PC **A02**/MF **A01**

Early Stage of Crystallization of (Zr/sub 1-X/Hf/sub X/) sub 62 Ni sub 38 Metallic Glasses.
DE84017280 **03**-*507,267* PC **A03**/MF **A01**

Study on Neutron Activation Analysis.
DE84700084 **03**-*507,177* PC **A04**/MF **A01**

Radiation-Induced Erosion of Titanium Alloy Surface and Hydrogen Adsorption under H exp + and He exp + Ion Bombardment.
DE84702333 **03**-*506,959* PC **A03**/MF **A01**

Chemistry and Materials Division (Chalk River Nuclear Laboratories, Ontario). Progress Report, April 1, 1982-June 30, 1982.
DE84901668 **02**-*503,592* PC **A05**/MF **A01**

Thermodynamic Properties of gamma-Uranium in the Formation of Solid Solutions with alpha-Transition Metals.
DE85000239 **04**-*509,408* PC **A02**/MF **A01**

Effects of Hydrogen on Magnetic Properties of Amorphous Zirconium Alloys.
DE85003303 **09**-*520,727* PC **A03**/MF **A01**

Effect of the Chemical Environment on the L and M Heavy-Ion-Induced X-Ray Satellite Emission Spectra.
DE85005259 **11**-*524,007* PC **A02**/MF **A01**

Phase Stability and Magnetic Properties of UAl sub 2 Based Pseudobinary Spin Fluctuation Compounds.
DE85005317 **11**-*525,630* PC **A06**/MF **A01**

Dominant Moving Species in the Formation of Amorphous NiZr by Solid-State Reaction.
DE85014855 **22**-*550,449* PC **A02**/MF **A01**

Investigation into Temperature Dependence of Specific Heat of Zr sub 70 Be sub 30 Superconductive System in Amorphous and Crystalline. States in the Temperature Range of 100 to 500 K.
DE85701033 **22**-*551,784* PC **A02**/MF **A01**

Preparation of Zirconium and Zirconium-Base Alloy Certified Reference Materials JAERI-Z11 to -Z18.
DE85701858 **26**-*560,508* PC **A04**/MF **A01**

Enbrittlement of the U-7,5 Nb-2.5 Zr Uranium Alloy in Gaseous Environments.
DE85751941 **25**-*558,451* PC **A14**/MF **A01**

Zr-Rh System: A Case Study of Calculated and Experimental Phase Diagrams.
PB85-128981 **05**-*511,706* Not available NTIS

ZIRCONIUM-ALPHA

High Temperature Internal Friction in alpha -Zirconium.
DE81700480 **20**-*545,494* PC **A06**/MF **A01**

Effect of Prism Plane Texture on in-Reactor Creep Strains in alpha -Zr Lattice Alloys.
DE84702335 **03**-*507,185* PC **A02**/MF **A01**

Hydride Precipitation in Zirconium Studied by Pendulum Techniques.
DE85701199 **21**-*548,146* PC **A03**/MF **A01**

Properties of Tritium in the Zirconium Alloy. Zircaloy 2-Diffusion. Equilibrium Pressure and Release.
DE85780179 **11**-*525,168* PC **A06**/MF **A01**

Anisotropic Diffusion of sup 51 Cr in Zr- alpha Monocrystals.
DE85780384 **17**-*538,260* PC **A02**/MF **A01**

ZIRCONIUM BASE ALLOYS

Investigation of Fuel Elements with Zr-Nb, Zr-Nb-Sn-Fe and Zr-Sn-Fe Alloy Fuel Cans for RBMK Reactor.
DE84702337 **03**-*507,187* PC **A02**/MF **A01**

Surface Superconductivity of Nb-79% Zr Alloy.
DE84702619 **04**-*510,382* PC **A02**/MF **A01**

Mechanical Properties and Microstructure of Welded Joints of Eh-125 Alloy (Zr-2.5%Nb) in the 20 to 650 Deg C Range Following Programmed Hardening.
DE84702907 **05**-*511,949* PC **A02**/MF **A01**

Calculation of Texture Characteristics Based on X-Ray Data for Zirconium Articles.
DE84703395 **17**-*538,224* PC **A02**/MF **A01**

Dense Random Packed Model for Amorphous Ni sub 35 Zr sub 65 : Influence of the Heat of Mixing.
DE85014967 **24**-*555,767* PC **A02**/MF **A01**

Formation of Linear Periodical Structures of Radiation Defects in Zirconium - 1% Niobium Alloy under Fast Neutron Irradiation in WWR Type Reactors.
DE85701613 **25**-*559,317* PC **A02**/MF **A01**

Final Report on Development Evaluation of Task Group 3 Pressure Tubes.
DE85701944 **26**-*561,542* PC **A03**/MF **A01**

Manufacturing Process to Reduce Large Grain Growth in Zirconium Alloys.
PAT-APPL-6-636 659 **21**-*548,169* PC **A02**/MF **A01**

ZIRCONIUM/BIS (N-N-DISALICYLIDENE-PHENYLENE DIAMINO).

Soluble Linear Schiff-Base Coordination Polymer Containing Eight-Coordinate Zirconium(IV).
AD-A151 446/2 **12**-*526,633* PC **A03**/MF **A01**

ZIRCONIUM BROMIDES

Effect of the Chemical Environment on the L and M Heavy-Ion-Induced X-Ray Satellite Emission Spectra.
DE85005259 **11**-*524,007* PC **A02**/MF **A01**

ZIRCONIUM CARBIDES

Combustion of Zirconium Carbide.
AD-P004 525/2 **15**-*535,135* PC **A02**/MF **A01**

Effect of the Chemical Environment on the L and M Heavy-Ion-Induced X-Ray Satellite Emission Spectra.
DE85005259 **11**-*524,007* PC **A02**/MF **A01**

Occurrence and Behavior of Dislocations During Plastic Deformation of Selected Transition Metal and Silicon Carbides.
DE85016358 **26**-*560,887* PC **A02**/MF **A01**

ZIRCONIUM CHLORIDES

New Examples of Clusters. Extended Metal-Metal Bonding and Interstitial Derivatives.
DE85005926 **13**-*528,962* PC **A02**/MF **A01**

ZIRCONIUM COMPLEXES

Methyltrihydroborate Complexes of the Lanthanides and Actinides.
DE85005156 **11**-*524,003* PC **A08**/MF **A01**

Selective Transformation of Carbonyl Ligands to Organic Molecules. Progress Report, September 1, 1984-August 31, 1985.
DE85011919 **19**-*542,779* PC **A02**/MF **A01**

ZIRCONIUM COMPOUNDS

Combustion of Zirconium Carbide.
AD-P004 525/2 **15**-*535,135* PC **A02**/MF **A01**

Self-Radiation Damage in Actinide Host Phases of Nuclear Waste Forms.
DE85004555 **11**-*525,098* PC **A02**/MF **A01**

Elemental Composition of Airborne Particulates in Uranium Mining and Milling Operations.
DE85006907 **13**-*529,085* PC **A02**/MF **A01**

ZIRCONIUM HYDRIDES

Secondary gamma Ray Characteristics in a Two-Dimensional Cylindrical Shields.
DE84702281 **03**-*507,024* PC **A02**/MF **A01**

Properties and Thermal Stabilities of Amorphous Transition Metal Hydrides.
DE85002117 **09**-*520,725* PC **A02**/MF **A01**

Effects of Hydrogen on Magnetic Properties of Amorphous Zirconium Alloys.
DE85003303 **09**-*520,727* PC **A03**/MF **A01**

Differential Scanning Calorimetry Studies of Amorphous and Crystalline Zr sub 2 PdH/sub X/ and ZrRhH/sub X/.
DE85012574 **20**-*545,456* PC **A03**/MF **A01**

Hydride Precipitation in Zirconium Studied by Pendulum Techniques.
DE85701199 **21**-*548,146* PC **A03**/MF **A01**

Superconductivity, Spin Fluctuations and Lattice Instability of V sub 2 ZrHsub(X).
DE85750471 **20**-*546,995* PC **A04**/MF **A01**

Temperature Dependence of Thermal Neutron Scattering Cross Sections for Hydrogen Bound in Moderators.
DE85780157 **12**-*527,736* PC **A07**/MF **A01**

Effect of the Hydrogen Content and Cooling Velocity in the Hydrides Precipitation in alpha -Zirconium.
DE85780792 **17**-*538,275* PC **A02**/MF **A01**

ZIRCONIUM ISOTOPES

Low-Lying 1 exp - States in Spherical Nuclei.
DE84702300 **03**-*507,504* PC **A02**/MF **A01**

ZIRCONIUM NITRIDES

Effect of the Chemical Environment on the L and M Heavy-Ion-Induced X-Ray Satellite Emission Spectra.
DE85005259 **11**-*524,007* PC **A02**/MF **A01**

ZIRCONIUM OXIDES

Densification of Submicron YSZ (Yttria-Stabilized Zirconia) Powders with Alumina and Borate Additives.
AD-A149 520/9 **08**-*516,839* PC **A03**/MF **A01**

High-Temperature Erosion of Plasma-Sprayed, Yttria-Stabilized Zirconia in a Simulated Turbine Environment.
AD-A150 361/4 **10**-*522,073* PC **A02**/MF **A01**

Introduction of Structural Variations into Oxide Polymers and their Effect on Sintering and Crystallization.
AD-A155 597/8 **19**-*542,785* PC **A05**/MF **A01**

CO And CO sub 2 Hydrogenation over ZrO sub 2.
DE84009146 **09**-*518,857* PC **A02**

Raman and Luminescence Spectroscopy of Zirconium Oxide with the Use of the MOLE Microprobe.
DE84017234 **04**-*510,124* PC **A02**/MF **A01**

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DE85001184 **09**-*519,346* PC **A08**/MF **A01**

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DE85001763 **04**-*510,392* PC **A02**/MF **A01**

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DE85002301 **06**-*513,513* PC **A03**/MF **A01**

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DE85004306 **09**-*520,741* PC **A02**/MF **A01**

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DE85005240 **13**-*529,425* PC **A02**/MF **A01**

Effect of the Chemical Environment on the L and M Heavy-Ion-Induced X-Ray Satellite Emission Spectra.
DE85005259 **11**-*524,007* PC **A02**/MF **A01**

Indirect Brazing of Structural Ceramics for Uncooled Diesels.
DE85005569 **14**-*531,820* PC **A02**/MF **A01**

Combustion Zone Durability Program. Material and Coating Development for Alternative Fuel Applications. Final Report.
DE85007248 **14**-*532,840* PC **A08**/MF **A01**

Fracture Toughness of MgCr sub 2 O sub 4 -ZrO sub 2 Composites.
DE85007945 **15**-*534,003* PC **A02**/MF **A01**

Dispersed-Metal-Toughened Alumina.
DE85008145 **13**-*529,489* PC **A03**/MF **A01**

Raman Studies of Laser Damaged Single and Multi-Layer Optical Coatings.
DE85009431 **15**-*534,600* PC **A02**/MF **A01**

Microstructure-Mechanical Property Relationships in Transformation-Toughened Ceramics. Progress Report.
DE85009722 **15**-*533,978* PC **A04**/MF **A01**

Microluminescence Spectra of Ti-Activated ZrO sub 2 -Y sub 2 O sub 3.
DE85010131 **22**-*551,766* PC **A02**/MF **A01**

Study of Synthesis Gas Conversion over Metal Oxides. Progress Report, August 1, 1984-July 31, 1985.
DE85010136 **17**-*539,569* PC **A02**/MF **A01**

Microstructure-Mechanical Property Relationships in Transformation-Toughened Ceramics. Progress Report.
DE85011946 **20**-*545,456* PC **A02**/MF **A01**

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DE85012541 **20**-*545,457* PC **A02**/MF **A01**

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DE85012792 **22**-*550,377* PC **A02**/MF **A01**

Investigation of Enhanced Capability Thermal Barrier Coating Systems for Diesel Engine Components.
N85-18154/3 **12**-*527,074* PC **A07**/MF **A01**

Improved Thermal Barrier Coating System.
PAT-APPL-6-640 712 **02**-*504,041* PC **A02**/MF **A01**

Impedance Spectrum of a Single Grain-Boundary in Yttrium Stabilized Zirconia.
PB85-104768 **01**-*502,364* Not available NTIS

Electrochemical Determination of Thermodynamic Properties of Bismuth Sesquioxide and Stannic Oxide.
PB85-110526 **02**-*503,614* PC **A02**/MF **A01**

Densification of Zirconia Films by Coevaporation with Silica.
PB85-206621 **19**-*544,069*
(Order as PB85-206324, PC **A13**/MF **A01**)

ZIRCONIUM PALLADIUM HYDRIDES

Differential Scanning Calorimetry Studies of Amorphous and Crystalline Zr sub 2 PdH/sub X/ and ZrRhH/sub X/.
DE85012574 **20**-*545,456* PC **A03**/MF **A01**

ZIRCONIUM PHOSPHATES

Formation of Stable Emulsions at Solvent-Extraction Processes During the Reprocessing of Spent Nuclear Fuel.
DE85750767 **16**-*536,633* PC **A06**/MF **A01**

ZIRCONIUM RHODIUM

Differential Scanning Calorimetry Studies of Amorphous and Crystalline Zr sub 2 PdH/sub X/ and ZrRhH/sub X/.
DE85012574 **20**-*545,456* PC **A03**/MF **A01**

ZIRCONIUM TITANATES

Investigation of the Phase Transition in ZrTiO4 and ZrTiO4-SnO2 Solid Solutions.
PB85-202885 **18**-*540,803* Not available NTIS

ZIRCONIUM YTTRIUM OXIDES

Microluminescence Spectra of Ti-Activated ZrO sub 2 -Y sub 2 O sub 3.
DE85010131 **22**-*551,766* PC **A02**/MF **A01**

ZIRCONOLITE

Irradiation-Induced Reduction of Microcracking in Zirconolite.
DE85002410 **06**-*514,006* PC **A02**/MF **A01**

EXAFS Studies of Metamict Materials.
DE85014041 **26**-*561,436* PC **A02**/MF **A01**

Radiation Effects in Actinide Host Phases.
DE85016273 **26**-*561,441* PC **A02**/MF **A01**

ZITTERBEWEGUNG

Trembling Motion of the Free Spin /2 Particle.
DE84752027 **08**-*518,093* PC **A02**/MF **A01**

ZODIACAL LIGHT

Infrared Measurements of Zodiacal Light.
AD-A151 931/3 **13**-*528,380* PC **A02**/MF **A01**

ZOG

ZOG Technology Demonstration Project: A System Evaluation of USS CARL VINSON (CVN 70).
AD-A158 084/4 **24**-*554,706* PC **A11**/MF **A01**

ZOG/VINSON SYSTEM

ZOG/VINSON Technology Demonstration Project System Description. Volume 1.
AD-A154 211/7 **17**-*537,920* PC **A10**/MF **A01**

ZONE MELTING

Zone Melting Recrystallization of Patterned Films and Low-Temperature Graphoepitaxy.
AD-A146 158/1 **01**-*501,865* PC **A02**/MF **A01**

Graphite-Strip-Heater Zone-Melting Recrystallization of Si Films.
AD-A147 189/5 **02**-*504,850* PC **A03**/MF **A01**

Topographic Imperfections in Zone Melting Recrystallized Si Films.
AD-A151 482/7 **12**-*527,899* PC **A02**/MF **A01**

The Role of Oxygen in Zone-Melting Recrystallization of Silicon-on-Insulator Films.
AD-A152 845/4 **15**-*533,485* PC **A02**/MF **A01**

Silicon-on-Insulation MOSFETs Fabricated in Zone-Melting-Recrystallized Poly-Si Films on SiO2.
AD-A153 004/7 **15**-*533,773* PC **A02**/MF **A01**

Zone-Melting Recrystallization of Si Films with a Moveable-Strip-Heater Oven.
AD-A154 422/0 **17**-*539,267* PC **A02**/MF **A01**

Recent Advances in Si and Ge Zone-Melting Recrystallization.
AD-A157 084/5 **23**-*553,545* PC **A02**/MF **A01**

Zone-Melting Recrystallization of Si Films on SiO2.
AD-A158 743/5 **25**-*559,390* PC **A03**/MF **A01**

German Payloads for Eureca 1.
N85-31223/9 **23**-*554,538* PC **A04**/MF **A01**

ZONING

Business Development Area Within San Diego County.
PB85-177236 **14**-*532,090* PC **A06**/MF **A01**

ZOOPLANKTON

Biological Processes in the Water Column of the South Atlantic Bight. Volume 1. Published Manuscripts. Progress Report, June 1982-June 1985.
DE85004610 **10**-*521,769* PC **A02**/MF **A01**

Influence of P-Reactor Operation on the Aquatic Ecology of Par Pond: A Literature Review.
DE85007793 **13**-*530,176* PC **A07**/MF **A01**

Nutrient Regeneration by Zooplankton in Southern Lake Huron.
PB85-101715 **01**-*500,594* Not available NTIS

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PB85-124006 **04**-*508,888* PC **E04**/MF **E04**

Chaetognatha of the Caribbean Sea and Adjacent Areas.
PB85-125052 **04**-*508,891* PC **A03**/MF **A01**

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PB85-150985 **10**-*521,770* PC **A14**/MF **A01**

Coherence in Zooplankton of a Large Northwest Atlantic Ecosystem,
PB85-151983
10-*521,785*
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Control of Algal Dominance through Changes in Zooplankton Grazing, Lake Washington: Phase 2.
PB85-215119 **20**-*544,769* PC **A04**/MF **A01**

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Health Hazard Evaluation Report No. HETA-83-191-1423, National Zoological Park Conservation Center, Front Royal, Virginia,
PB85-181196 **14**-*531,376* PC **A02**/MF **A01**

ZOSTERA

Detritus Processing and Mineral Cycling in Seagrass 'Zostera' Litter in an Oregon Salt Marsh.
PB85-162410 **11**-*524,063* Not available NTIS

ZOSTERA MARINA

Ecology of Eelgrass Meadows of the Atlantic Coast: A Community Profile,
PB85-179471 **14**-*531,539* PC **A06**/MF **A01**

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